

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

5. Lease Serial No.

UTU-01191

6. If Indian, Allottee or Tribe Name

1a. Type of Work: ☒ DRILL ☐ REENTER

b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone

2. Name of Operator

KERR-MCGEE OIL & GAS ONSHORE LP

3A. Address

PO BOX 173779, DENVER, CO 80123

3b. Phone No. (include area code)

(720) 929-6666

4. Location of Well (Report location clearly and in accordance with any State requirements. *)

At surface NENW - 715' FNL, 1777' FWL - LOT 3 634185X 39.983227

At proposed prod. Zone

44248684-109.428471

7. If Unit or CA Agreement, Name and No.

UNIT #891008900A

8. Lease Name and Well No.

NBU 1022-03CT

9. API Well No.

43047-40158

10. Field and Pool, or Exploratory

NATURAL BUTTES

11. Sec., T., R., M., or Blk, and Survey or Area

SEC 3-T10S-R22E

14. Distance in miles and direction from nearest town or post office*

9.4 +/- MILES SOUTH EAST OF OURAY, UTAH

12. County or Parish

UINTAH

13. State

UT

15. Distance from proposed*

location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any)

715'

16. No. of Acres in lease

1041.78

17. Spacing Unit dedicated to this well

40

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft.

REFER TO
TOPO C

19. Proposed Depth

8900

20. BLM/BIA Bond No. on file

WYB-000291

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5072 GR

22. Approximate date work will start*

UPON APPROVAL

23. Estimated duration

TO BE DETERMINED

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the
SUPO shall be filed with the appropriate Forest Service Office.

4. Bond to cover the operations unless covered by an existing bond on file (see
Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the
authorized office.

25. Signature

Raleen White

Name (Printed/Typed)

RALEEN WHITE

Date

6/13/2008

Title

SR REGULATORY ANALYST

Approved by (Signature)

Bradley G. Hill

Name (Printed/Typed)

BRADLEY G. HILL

Date

06-18-08

Title

Office ENVIRONMENTAL MANAGER

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

Federal Approval of this
Action is Necessary

RECEIVED

JUN 16 2008

DIV. OF OIL, GAS & MINING

T10S, R22E, S.L.B.&M.

Found 1977
Brass Cap,
Pile of Stones.

N89°56'E 40.10 (G.L.O.)

N89°58'50"E - 2646.48' (Meas.)

EAST 40.11 (G.L.O.)

Found 1977
Brass Cap,
Pile of Stones.

N0°35'W 39.84 (G.L.O.)
2629.77' (Measured)
N00°35'35"W (Basis of Bearings)

20.025' (G.L.O.)
19.815' (G.L.O.)

N0°38'W 40.05 (G.L.O.)
N00°38'57"W - 2642.86' (Meas.)

Found 1991
Aluminum Cap,
Pile of Stones.

N89°15'W 39.86 (G.L.O.)

S89°55'W 39.65 (G.L.O.)

20.275' (G.L.O.)
NORTH 40.28 (G.L.O.)
20.005' (G.L.O.)
N0°10'W 40.06 (G.L.O.)

**WELL LOCATION:
NBU 1022-03CT**

ELEV. UNGRADED GROUND = 5071.6'

3

NBU 1022-03CT (Proposed Well Head)
NAD 83 LATITUDE = 39.98330° (39° 58' 59.89")
LONGITUDE = 109.42921° (109° 25' 45.14")
NAD 27 LATITUDE = 39.98334° (39° 59' 00.02")
LONGITUDE = 109.42852° (109° 25' 42.68")

NOTES:

▲ = Section Corners Located

- Well footages are measured at right angles to the Section Lines.
- G.L.O. distances are shown in feet or chains. 1 chain = 66 feet.
- Bearings are based on Global Positioning Satellite observations.
- Basis of elevation is Tri-Sta "Two Waters" located in the NW ¼ of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.

**Kerr-McGee
Oil & Gas Onshore, LP**

1099 18th Street, Suite 1200 - Denver, Colorado 80202

**NBU 1022-03CT
WELL PLAT**

715' FNL, 1777' FWL
LOT 3 OF SECTION 3, T10S, R22E,
S.L.B.&M. UTAH COUNTY, UTAH.

CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182



SCALE

SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 362251
STATE OF UTAH

TIMBERLINE

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.

38 WEST 100 NORTH - VERNAL, UTAH 84078

DATE SURVEYED: 5-31-08	SURVEYED BY: B.J.S.	SHEET 2 OF 7
DATE DRAWN: 6-2-08	DRAWN BY: M.W.W.	
SCALE: 1" = 1000'	Date Last Revised:	

**NBU 1022-03CT
TWIN TO NBU 165
NENW Sec. 3, T10S,R22E
UINTAH COUNTY, UTAH
UTU-01191**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1256'
Birds Nest	1495'
Mahogany	2013'
Wasatch	4329'
Mesaverde	6719'
TD	8900'

2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1256'
Water	Birds Nest	1495'
Water	Mahogany	2013'
Gas	Wasatch	4329'
Gas	Mesaverde	6719'
Water	N/A	
Other Minerals	N/A	

3. Pressure Control Equipment (Schematic Attached)

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

4. Proposed Casing & Cementing Program:

Please see the Natural Buttes Unit SOP.

5. Drilling Fluids Program:

Please see the Natural Buttes Unit SOP.

6. Evaluation Program:

Please see the Natural Buttes Unit SOP.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 8900' TD, approximately equals 5518 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3560 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

Please see Natural Buttes Unit SOP. Please see KMG sundry regarding variance request to Onshore Order #2 regarding Air drilling for surface casing

10. **Other Information:**

Please see Natural Buttes Unit SOP.



KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE June 13, 2008
WELL NAME NBU 1022-03CT TD 8,900' MD/TVD
FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 5,072' GL KB 5,087'
SURFACE LOCATION NENW - SEC. 3, T10S, R22E - 715' FNL, 1777' FWL LOT 3 BHL Straight Hole
Latitude: 39.983340 Longitude: 109.429210
OBJECTIVE ZONE(S) Wasatch/Mesaverde
ADDITIONAL INFO Regulatory Agencies: UDOGM (SURF & MINERALS), BLM, Tri-County Health Dept.

GEOLOGICAL FORMATION		DEPTH	MECHANICAL CASING SIZE		MUD WEIGHT
LOGS	TOPS		HOLE SIZE		
		40'		14"	
			12-1/4"	9-5/8", 36#, J-55, LTC	Air mist
Catch water sample, if possible, from 0 to 4,329'					
	Green River @	1,256'			
	Top of Birds Nest Water @	1495'			
	Mahogany @	2,013'			
	Preset f/ GL @				
	2,080' MD				
Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the actual depth of the loss zone.					
Mud logging program TBD					
Open hole logging program f/ TD - surf csg					
	Wasatch @	4,329'			
	Mverde @	6,719'			
	MVU2 @	7,671'			
	MVL1 @	8,210'			
			7-7/8"	4-1/2", 11.6#, I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-10.0 ppg
					Max anticipated Mud required 10.0 ppg
	TD @	8,900'			

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
SURFACE	9-5/8"	0 to 2080	36.00	J-55	LTC	3520 1.32	2020 2.08	453000 7.70
PRODUCTION	4-1/2"	0 to 8900	11.60	I-80	LTC	7780 2.91	6350 1.37	201000 2.23

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)
- 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)
- (Burst Assumptions: TD = 10.0 ppg) .22 psi/ft = gradient for partially evac wellbore
- (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
- MASP 2670 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
Option 1	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE		NOTE: If well will circulate water to surface, option 2 will be utilized					
Option 2	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,820'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	420	60%	11.00	3.38
	TAIL	5,080'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1420	60%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

Brad Laney

DATE:

DRILLING SUPERINTENDENT:

Randy Bayne

DATE:

**NBU 1022-03CT
TWIN TO NBU 165
NENW, SEC. 3, T10S, R22E, SLB&M
UINTAH COUNTY, UTAH
UTU-01191**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. Planned Access Roads:

No new access road is proposed. Refer to Topo Map B.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site.

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

3. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

Please see the Natural Buttes Unit SOP.

Utilizing existing pipeline.

Variances to Best Management Practices (BMPs) Requested:

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon Brown (2.5Y 6/2), a non-reflective earthtone.

Interim Surface Reclamation Plan:

This exception is requested due to the current twin and multi-well program. If determined that this well will not be a candidate for either twinning &/or multi-well the operator shall spread the topsoil pile on the location up to the rig anchor points. The location will be reshaped to the original contour to the extent possible. The operator will reseed the area using the BLM recommended seed mixture and reclamation methods.

5. **Location and Type of Water Supply:**

Please see the Natural Buttes SOP.

6. **Source of Construction Materials:**

Please see the Natural Buttes SOP.

7. **Methods of Handling Waste Materials:**

Please see the Natural Buttes SOP.

A plastic reinforced liner is to be used as discussed during on-site inspection. It will be a minimum of 20 mil thick and felt, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E, Pipeline Facility Sec. 36, T9S, R20E, Goat Pasture Evaporation Pond SW/4 Sec. 16, T10S, R22E, Bonanza Evaporation Pond Sec. 2, T10S, R23E (*Request is in lieu of filing Form 3160-5, after initial production*).

8. **Ancillary Facilities:**

Please see the Natural Buttes SOP.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

10. **Plans for Reclamation of the Surface:**

Please see the Natural Buttes SOP.

Upon reclamation of the pit the operator will utilize the same seed mix approved for the NBU 165. Operator shall call the BLM for the seed mixture when final reclamation occurs.

11. **Surface and Mineral Ownership:**

The well pad, access road, pipeline and mineral ownership are listed below:

United States of America
Bureau of Land Management
170 South 500 East
Vernal, UT 84078
(435)781-4400

13. **Other Information:**

A Class III archaeological survey, T&E Clearance and a paleontological survey have been performed and will be sent to the BLM with a form letter

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within the boundaries of the Unit.

13. Lessee's or Operator's Representative & Certification:

Raleen White
Sr. Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO
(720) 929-6666

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7018

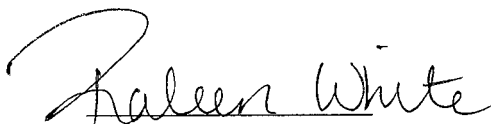
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by BLM Nationwide Bond #WYB000291.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.


Raleen White

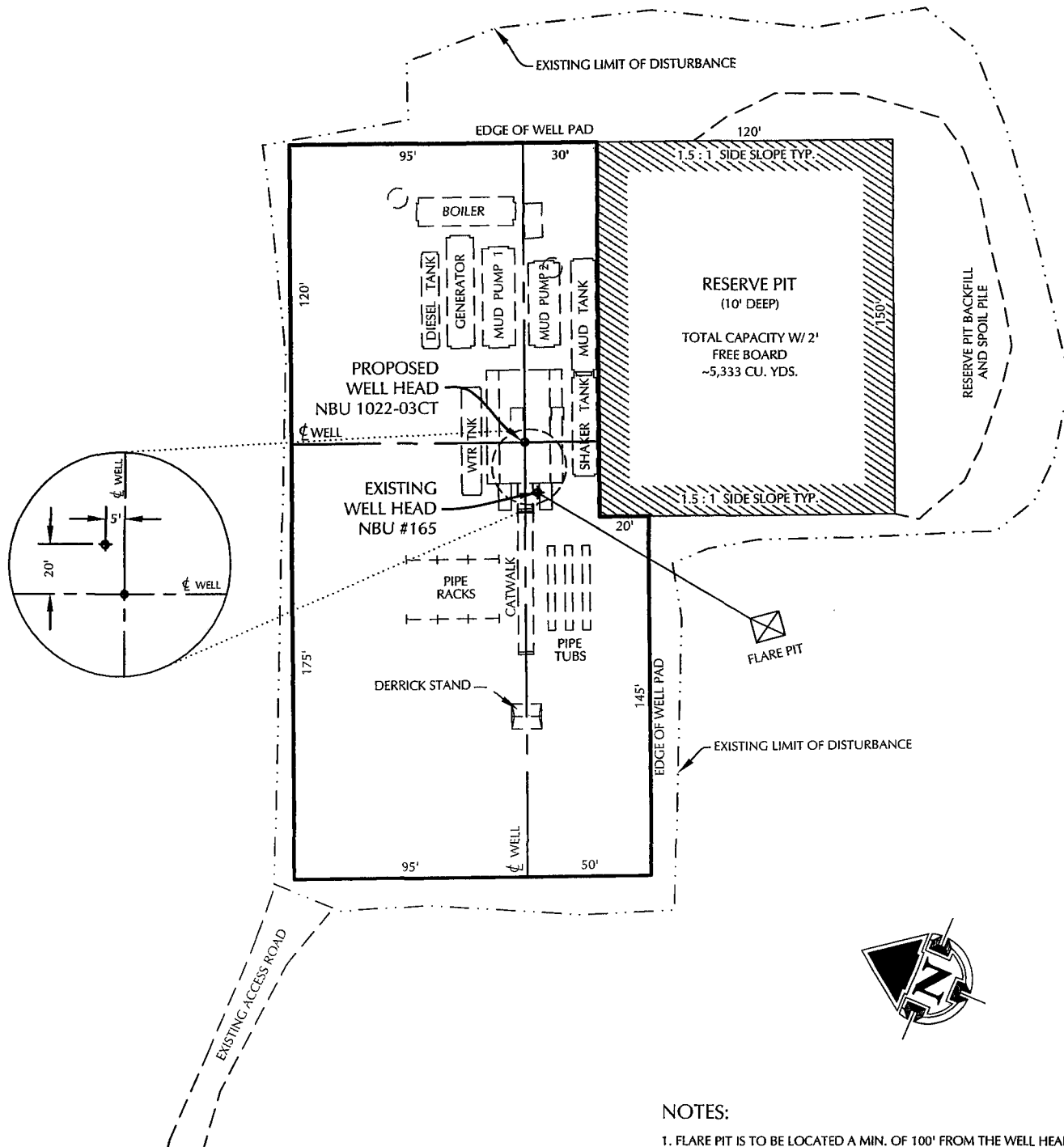
6/13/2008

Date

Kerr-McGee Oil & Gas Onshore, LP
NBU #1022-03CT
SECTION 3, T10S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH, ALONG U.S. HIGHWAY 40 APPROXIMATELY 13.2 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 16.5 MILES TO OURAY, UTAH; PROCEED FROM OURAY, UTAH, IN A SOUTHERLY DIRECTION ON STATE HIGHWAY 88 APPROXIMATELY 9.4 MILES TO THE JUNCTION OF STATE HIGHWAY 88 AND SEEP RIDGE ROAD; EXIT LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND GLEN BENCH ROAD; EXIT LEFT AND PROCEED IN AN EASTERLY DIRECTION FOR APPROXIMATELY 5.1 MILES TO THE JUNCTION OF THIS ROAD AND BITTER CREEK ROAD; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION, GRADUALLY CHANGING TO SOUTHEASTERLY FOR APPROXIMATELY 4.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION, GRADUALLY CHANGING TO NORTHEASTERLY APPROXIMATELY 3.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN AN EASTERLY DIRECTION, GRADUALLY CHANGING TO NORTHERLY APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND THE PROPOSED NBU 1022-03CT WELL LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH, TO THE PROPOSED NBU 1022-03CT WELL LOCATION IS APPROXIMATELY 55.4 MILES.



**KERR-MCGEE OIL & GAS
ONSHORE, LP**

1099 18th Street, Suite 1200 - Denver, Colorado 80202

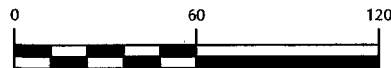
**NBU 1022-03CT
LOCATION LAYOUT
715' FNL - 1,777' FWL
LOT 3, SEC. 3, T.10S., R.22E.
S.L.B. & M., UINTAH COUNTY, UTAH**



CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

NOTES:

1. FLARE PIT IS TO BE LOCATED A MIN. OF 100' FROM THE WELL HEAD
2. ELEVATION BASED ON TRI-STA "TWO WATERS" LOCATED IN THE NW1/4 OF SEC. 1, T.10S., R.21E., S.L.B. & M. (THE ELEVATION OF THIS TRI-STA IS SHOWN ON THE BIG PACK MTN. NE 7.5 MIN. QUADRANGLE AS BEING 5,238')
3. NBU 1022-03CT EXISTING GROUND ELEVATION = 5,071.6'



SCALE: 1" = 60'

Scale: 1"=60'	Date: 6/6/08	SHEET NO:
REVISED:	BY DATE	3 3 OF 7

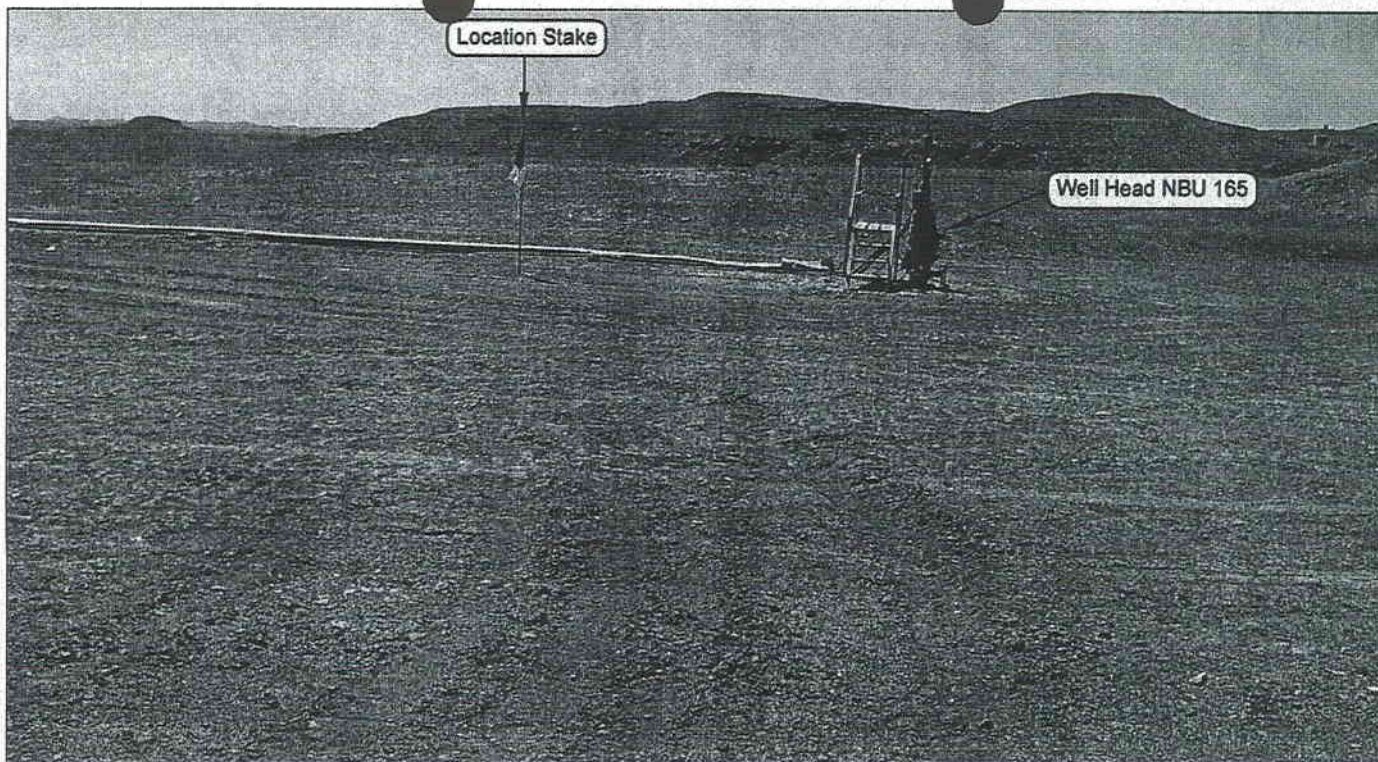


PHOTO VIEW: LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY

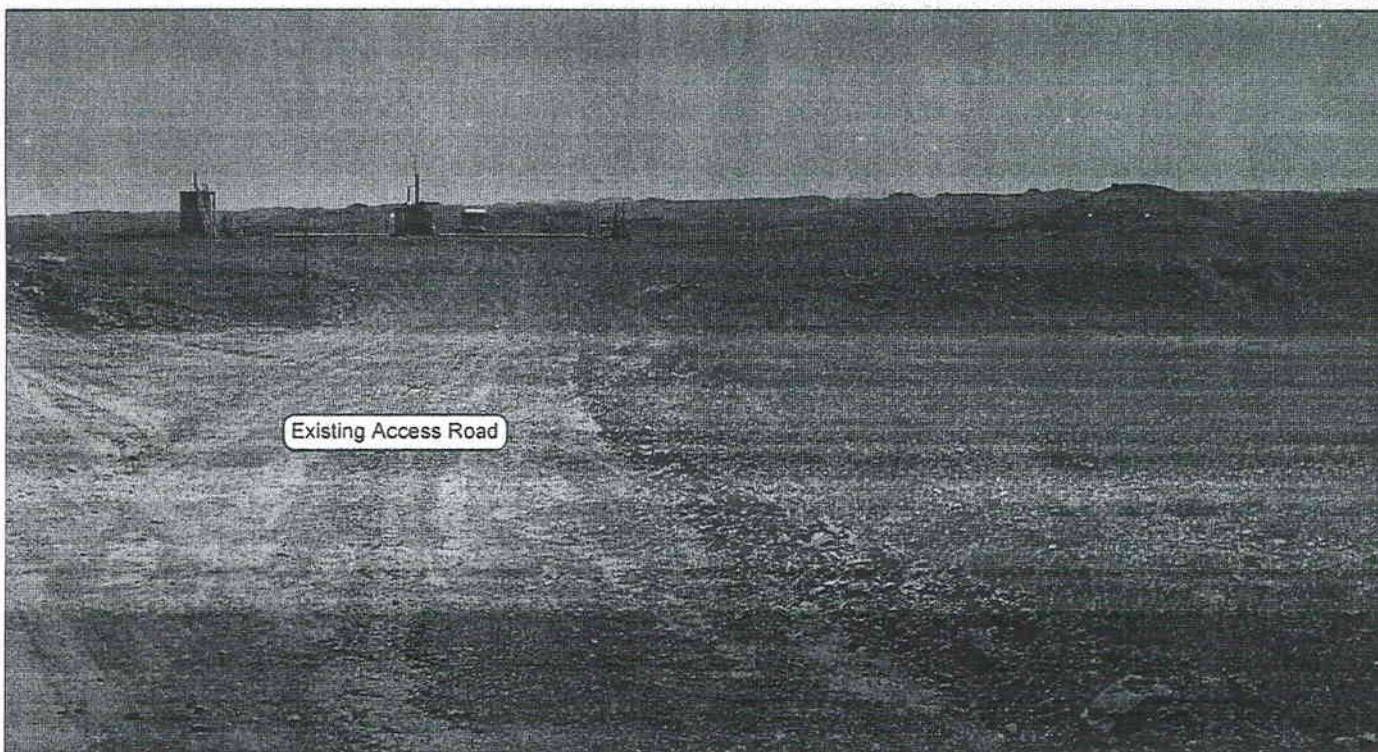


PHOTO VIEW: EXISTING ROAD

CAMERA ANGLE: SOUTHEASTERLY

**Kerr-McGee
Oil & Gas Onshore, LP**

1099 18th Street, Suite 1200 - Denver, Colorado 80202

**NBU 1022-03CT
715' FNL, 1777' FWL
LOT 3 OF
SECTION 3, T10S, R22E, S.L.B.&M.
UINTAH COUNTY, UTAH.**



CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

LOCATION PHOTOS

TAKEN BY: B.J.S.

DRAWN BY: B.R.B.

DATE TAKEN: 05-31-08

DATE DRAWN: 06-03-08

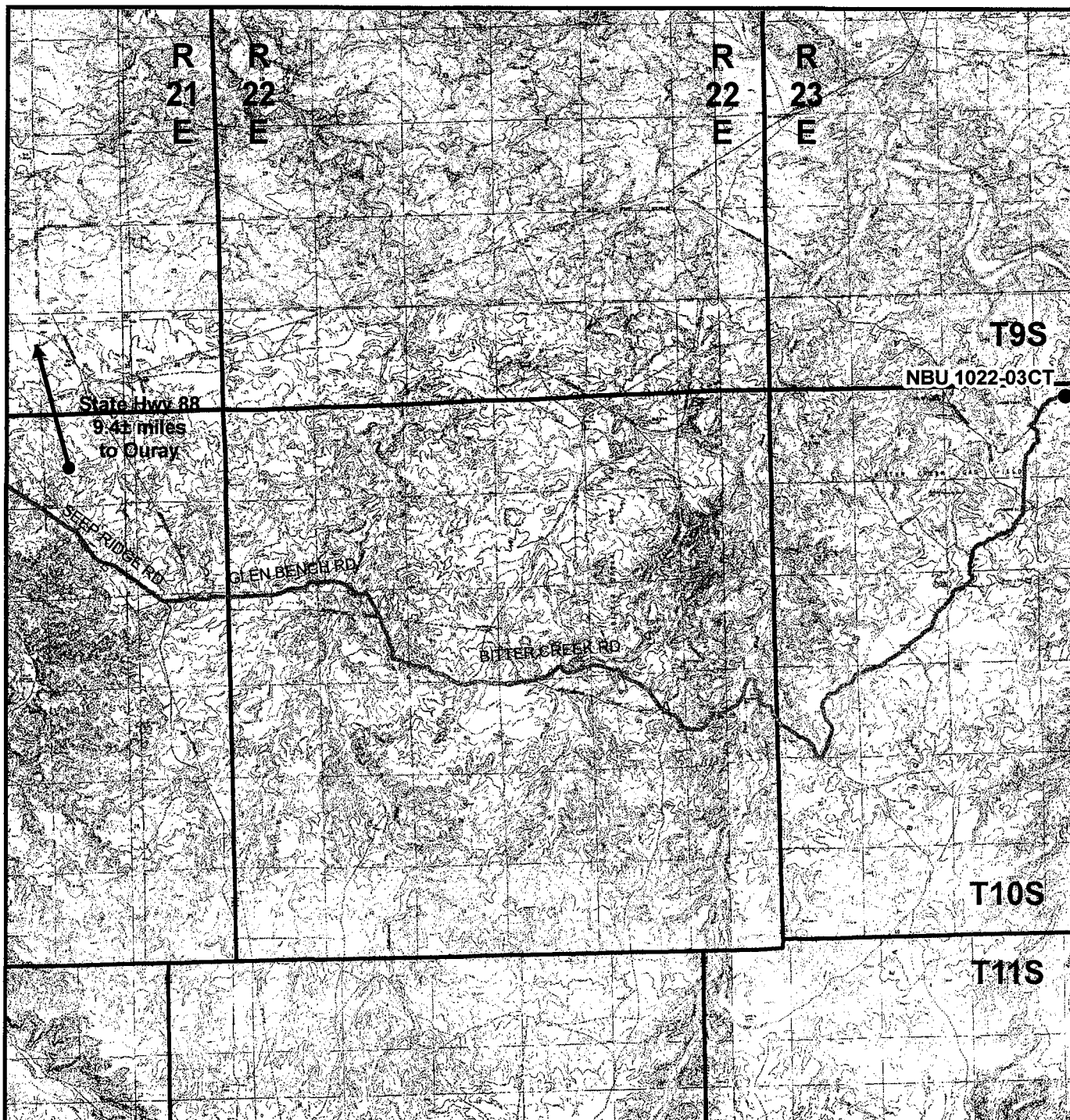
REVISED:

Timberline

Engineering & Land Surveying, Inc.
38 WEST 100 NORTH VERNAL, UTAH 84078

(435) 789-1365

**SHEET
4
OF 7**



Legend

- Proposed NBU 1022-03CT Well Location

Existing Access Roads

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Suite 1200 - Denver, Colorado 80202

NBU 1022-03CT
Topo A
715' FNL, 1777' FWL
Lot 3, Section 3, T10S, R22E
S.L.B.&M., Uintah County, Utah

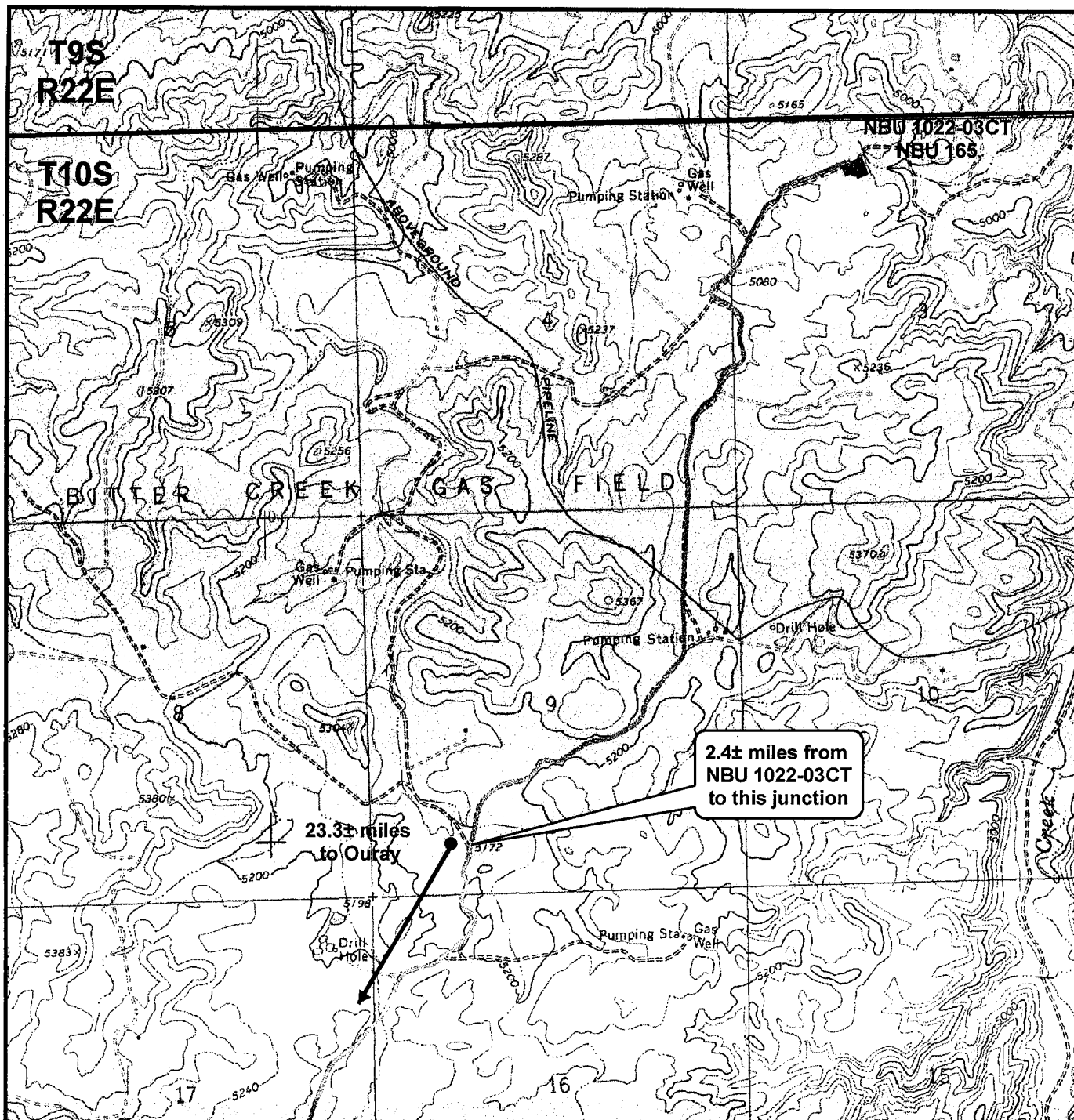


CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 673-0036
Fax (307) 674-0182



Scale: 1:100,000	NAD83 US P Centra	Sheet No:
Drawn: JELO	Date: 6 June 2008	5
Revised:	Date:	

5 of 7



Legend

- Proposed NBU 1022-03CT Well Location

— Existing Access Roads

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Suite 1200 - Denver, Colorado 80202

NBU 1022-03CT
Topo B
715' FNL, 1777' FWL
Lot 3, Section 3, T10S, R22E
S.L.B.&M., Uintah County, Utah



CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 673-0036
Fax (307) 674-0182



Scale: 1" = 2000ft

NAD83 US P Central

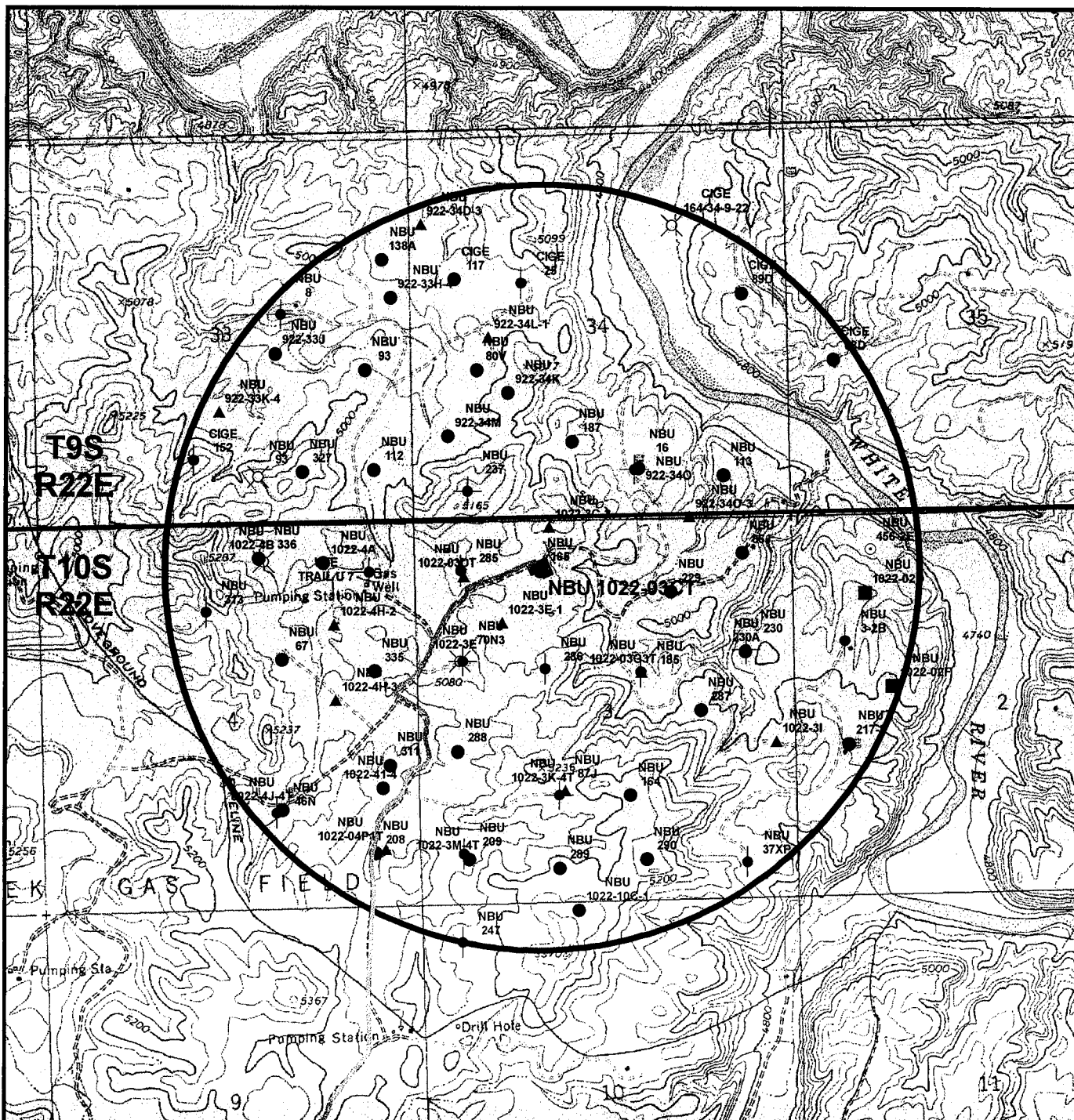
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Drawn: JELO
Revised:

Date: 6 June 2008
Date:

6

6 of 7



Legend

- Proposed NBU 1022-03CT Well Location

— Existing Access Roads

- Producing
- Spudded (Drilling commenced; Not yet comple
- ▲ Approved permit (APD); not yet spudded
- New Permit (Not yet approved or drilled)
- ⊗ Location Abandoned
- ⊕ Plugged and Abandoned
- Shut-In

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Suite 1200 - Denver, Colorado 80202

NBU 1022-03CT
Topo C
715' FNL, 1777' FWL
Lot 3, Section 3, T10S, R22E
S.L.B.&M., Uintah County, Utah



CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 673-0036
Fax (307) 674-0182



Scale: 1" = 2000ft	NAD83 US P Centra	Sheet No:
Drawn: JELO	Date: 6 June 2008	7
Revised:	Date:	7 of 7

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/16/2008

API NO. ASSIGNED: 43-047-40150

WELL NAME: NBU 1022-03CT

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

PHONE NUMBER: 720-929-6666

CONTACT: RALEEN WHITE

PROPOSED LOCATION:

NENW 03 100S 220E

SURFACE: 0715 FNL 1777 FWL

BOTTOM: 0715 FNL 1777 FWL

COUNTY: UINTAH

LATITUDE: 39.98323 LONGITUDE: -109.4285

UTM SURF EASTINGS: 634185 NORTHINGS: 4426868

FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-01191

PROPOSED FORMATION: MVRD

SURFACE OWNER: 1 - Federal

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. WYB-000291)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. 43-8496)
☒ RDCC Review (Y/N)
(Date: _____)
☒ Fee Surf Agreement (Y/N)
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

 R649-2-3.
Unit: NATURAL BUTTES
 R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
 R649-3-3. Exception
☒ Drilling Unit
Board Cause No: 173-14
Eff Date: 12-2-1999
Siting: 460' for u. b. drg. & uncomm. tract
 R649-3-11. Directional Drill

COMMENTS: Sup, Separate Plc

STIPULATIONS: 1- Federal Approval
2- Oil Shale

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

June 18, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2008 Plan of Development Natural Buttes Unit
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
-------	-----------	----------

(Proposed PZ MesaVerde)

43-047-40146	NBU 922-29LT	Sec 29 T09S R22E 1978 FSL 0957 FWL
43-047-40147	NBU 922-32AT	Sec 32 T09S R22E 0457 FNL 0113 FEL
43-047-40148	NBU 922-32BT	Sec 32 T09S R22E 0701 FNL 2116 FEL
43-047-40149	NBU 1022-03FT	Sec 03 T10S R22E 2059 FNL 1825 FWL
43-047-40150	NBU 1022-03CT	Sec 03 T10S R22E 0715 FNL 1777 FWL
43-047-40151	NBU 1022-04HT	Sec 04 T10S R22E 2015 FNL 0566 FEL
43-047-40152	NBU 1022-04AT	Sec 04 T10S R22E 0544 FNL 1278 FEL
43-047-40153	NBU 1022-05JT	Sec 05 T10S R22E 2203 FSL 2319 FEL
43-047-40154	NBU 1022-05IT	Sec 05 T10S R22E 2288 FSL 0691 FEL
43-047-40155	NBU 1022-05BT	Sec 05 T10S R22E 1028 FNL 1886 FEL
43-047-40156	NBU 1022-06ET	Sec 06 T10S R22E 2475 FNL 0628 FWL
43-047-40157	NBU 1022-06FT	Sec 06 T10S R22E 2108 FNL 1669 FWL
43-047-40158	NBU 1022-06DT	Sec 06 T10S R22E 0162 FNL 0311 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

June 18, 2008

Kerr-McGee Oil & Gas Onshore LP
P O Box 173779
Denver, CO 80217-3779

Re: NBU 1022-03CT Well, 715' FNL, 1777' FWL, NE NW, Sec. 3, T. 10 South, R. 22 East,
Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-40150.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal Office

Operator: Kerr-McGee Oil & Gas Onshore LP
Well Name & Number NBU 1022-03CT
API Number: 43-047-40150
Lease: UTU-01191

Location: NE NW Sec. 3 T. 10 South R. 22 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

RECEIVED
VERNAL FIELD OFFICE

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

2008 JUN 17 8:07 PM

Page Serial No.

UTU-01191

Indian, Allottee or Tribe Name

APPLICATION FOR PERMIT TO DRILL OR REENTER

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MGMT

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER			7. If Unit or CA Agreement, Name and No. UNIT #891008900A	
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone			8. Lease Name and Well No. NBU 1022-03CT	
2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE LP			9. API Well No. 43 047 40150	
3A. Address PO BOX 173779, DENVER, CO 80123		3b. Phone No. (include area code) (720) 929-6666		10. Field and Pool, or Exploratory NATURAL BUTTES
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NENW - 715' FNL, 1777' FWL - LOT 3 At proposed prod. Zone			11. Sec., T., R., M., or Blk, and Survey or Area SEC 3-T10S-R22E	
14. Distance in miles and direction from nearest town or post office* 9.4 +/- MILES SOUTH EAST OF OURAY, UTAH			12. County or Parish UINTAH	13. State UT
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 715'		16. No. of Acres in lease 1041.78	17. Spacing Unit dedicated to this well 40	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C		19. Proposed Depth 8900	20. BLM/BIA Bond No. on file WYB-000291	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5072 GR		22. Approximate date work will start* UPON APPROVAL		23. Estimated duration TO BE DETERMINED

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|---|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature <i>Raleen White</i>	Name (Printed/Typed) RALEEN WHITE	Date 6/13/2008
--------------------------------------	--------------------------------------	-------------------

Title
SR. REGULATORY ANALYST

Approved by (Signature) <i>[Signature]</i>	Name (Printed/Typed) Tara Kunkel	Date NOV 19 2008
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached. **CONDITIONS OF APPROVAL ATTACHED**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

NOTICE OF APPROVAL

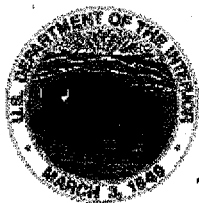
~~NOS~~ APD posted 6/25/08
AFMSS# 08PP0933A

UDOGM

RECEIVED

NOV 24 2008

DIV. OF OIL, GAS & MINING

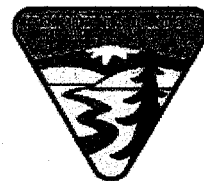


UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Kerr McGee Oil & Gas Onshore, LP
Well No: NBU 1022-03CT
API No: 43-047-40150

Location: Lot 3, Sec. 3, T10S, R22E
Lease No: UTU-01191
Agreement: Natural Buttes Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	(435) 828-3546
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	(435) 828-7381
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545
NRS/Enviro Scientist:	David Gordon	(435) 781-4424	

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SITE SPECIFIC COAs:

None

DOWNHOLE PROGRAM CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- A copy of Kerr McGee's Standard Operating Practices (SOP version: dated 7/17/08 and approved 7/28/08) shall be on location.
- Drilling plan specifics and practices are referenced in the Kerr McGee Oil & Gas Standard Operating Procedures (SOP version: July 28, 2008). The operators drilling plan items 3 to 9 reference the SOP. Kerr McGee shall adhere to the referenced requirements in the SOP. Kerr McGee and their contractors shall adhere to all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders except where variances have been granted.
- Covering air/gas drilling operations, requirements will be adhered to covering air/gas drilling operations as described in Onshore Order #2 III. E. 1. Drilling Operations, Special Drilling Operations, air/gas drilling.
- Production casing cement shall be brought up and into the surface casing. Production casing minimum cement top is 1200 ft. The minimum cement top is approximately 800 ft above the surface casing shoe.
Cmnt Top (TOC) standard will place cmnt behind casing across formation lost circulation zone, Birds Nest Zone.
COA specification fulfills operators performance standard stated in APD (where operators toc is calc'd with an excess to reach surface).
- A Gamma Ray well Log shall be run from the well Total Depth to the surface.
A copy of the Gamma Ray well Log shall be submitted to the BLM Vernal Field Office.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

5. Lease Serial No.
UTU01191
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No.
891008900A
8. Well Name and No.
NBU 1022-03CT
9. API Well No.
43-047-40150
10. Field and Pool, or Exploratory
NATURAL BUTTES
11. County or Parish, and State
UINTAH COUNTY, UT

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other
2. Name of Operator
KERR-MCGEE OIL&GAS ONSHORE LP
Contact: KATHY SCHNEEBECK DULNOAN
Email: kathy.schneebeckdulnoan@anadarko.com
- 3a. Address
PO BOX 173779
DENVER, CO 80123
- 3b. Phone No. (include area code)
Ph: 720-929-6007
Fx: 720-929-7007
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 3 T10S R22E NENW 715FNL 1777FWL
39.98323 N Lat, 109.42847 W Lon

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original A
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	PD

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a change to the surface location of this well to accomodate the new drilling rigs.

The surface location is changing
FROM: 715' FNL 1777' FWL
TO: 731' FNL 1740' FWL

634174Y 39.983188
44268644 109.428600

COPY SENT TO OPERATOR

Date: 4.14.2009

Initials: KS

Please see the attached revised survey plats and interference diagram reflecting this change in surface location. All other information remains the same, including the amount of disturbance.

If you have any questions, please contact the undersigned. Thank you.

**Federal Approval of this
Action is Necessary**

14. I hereby certify that the foregoing is true and correct. Electronic Submission #68693 verified by the BLM Well Information System For KERR-MCGEE OIL&GAS ONSHORE LP, sent to the Vernal	
Name (Printed/Typed) KATHY SCHNEEBECK DULNOAN	Title STAFF REGULATORY ANALYST
Signature <i>Kathy Schneebeck Dulnoan</i> (Electronic Submission)	Date 04/05/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <i>Bradley G. Hill</i>	Title BRADLEY G. HILL	Date 04-09-09
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office ENVIRONMENTAL MANAGER

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ******RECEIVED****APR 09 2009**

DIV. OF OIL, GAS & MINING

OF 7

LONGITUDE = 109.428654° (109° 25' 43.155")

WELL PAD INTERFERENCE PLAT

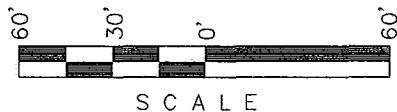
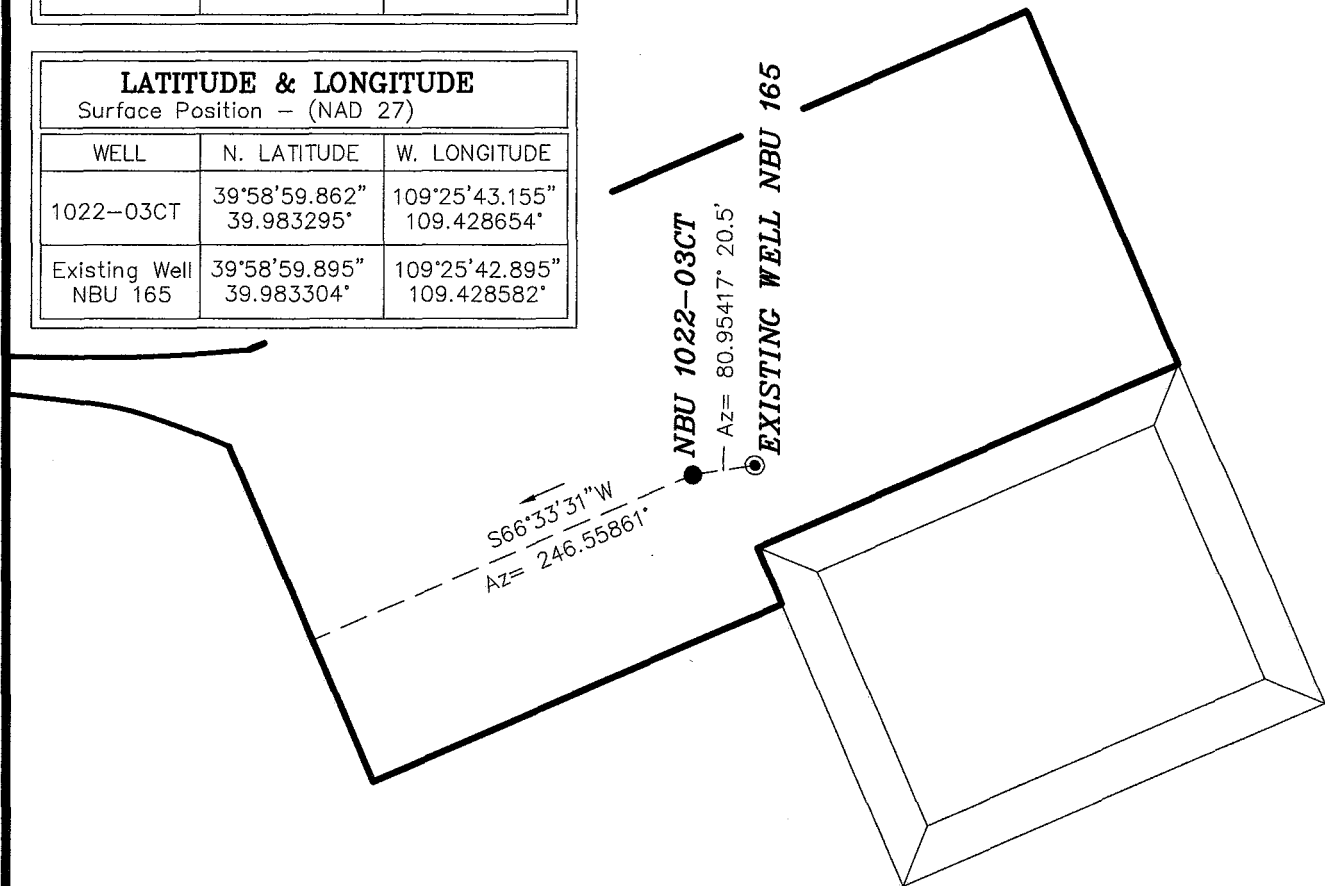
NBU 1022-03CT



LATITUDE & LONGITUDE		
Surface Position - (NAD 83)		
WELL	N. LATITUDE	W. LONGITUDE
1022-03CT	39°58'59.738" 39.983260°	109°25'45.613" 109.429337°
Existing Well NBU 165	39°58'59.770" 39.983269°	109°25'45.353" 109.429265°

BASIS OF BEARINGS IS THE WEST
LINE OF THE NW 1/4 OF SECTION
3, T10S, R22E, S.L.B.&M. WHICH IS
TAKEN FROM GLOBAL POSITIONING
SATELLITE OBSERVATIONS TO BEAR
N00°35'35"W.

LATITUDE & LONGITUDE		
Surface Position - (NAD 27)		
WELL	N. LATITUDE	W. LONGITUDE
1022-03CT	39°58'59.862" 39.983295°	109°25'43.155" 109.428654°
Existing Well NBU 165	39°58'59.895" 39.983304°	109°25'42.895" 109.428582°



SURFACE FOOTAGES:

NBU 1022-03CT
731' FNL & 1740' FWL

NBU 165 (Existing Well Head)
728' FNL & 1760' FWL

Kerr-McGee
Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

NBU 1022-03CT
LOCATED IN SECTION 3, T10S, R22E,
S.L.B.&M. UINTAH COUNTY, UTAH.



CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

DATE SURVEYED: 05-31-08	SURVEYED BY: B.J.S.
DATE DRAWN: 11-17-08	DRAWN BY: M.W.W.
	REVISED: 03-18-09

Timberline (435) 789-1365
Engineering & Land Surveying, Inc.
209 NORTH 300 WEST VERNAL, UTAH 84078

SHEET
2b
OF 7

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191			
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES			
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 1022-03CT			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0731 FNL 1740 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 03 Township: 10.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047401500000			
PHONE NUMBER: 720 929-6587 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES			
COUNTY: Uintah		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/12/2009 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: _____ </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: _____
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.					
<div style="text-align: right;"> Approved by the Utah Division of Oil, Gas and Mining </div>		Date: June 10, 2009			
<div style="text-align: right;"> By: </div>					
NAME (PLEASE PRINT) Danielle Piernot		PHONE NUMBER 720 929-6156			
SIGNATURE N/A		TITLE Regulatory Analyst			
		DATE 6/9/2009			



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047401500000

API: 43047401500000

Well Name: NBU 1022-03CT

Location: 0731 FNL 1740 FWL QTR NENW SEC 03 TWP 100S RNG 220E MER S

Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date Original Permit Issued: 6/18/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☐ Yes ☒ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Approved by the
Utah Division of
Oil, Gas and Mining

Signature: Danielle Piernot

Date: 6/9/2009

Title: Regulatory Analyst **Representing:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date: June 10, 2009

By: 

RECEIVED June 09, 2009

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 1022-03CT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0731 FNL 1740 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 03 Township: 10.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047401500000
PHONE NUMBER: 720 929-6007 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/1/2009	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
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	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER:	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
FINISHED DRILLING FROM 2,320' TO 8,911' ON 09/29/2009. RAN 4-1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/510 SX CLASS PREM LITE @ 11.8 PPG, 2.42 YIELD. TAILED CMT W/1235 SX CLASS G 50/50 POZ MIX @ 14.3 PPG, 1.31 YIELD. DROP PLUG & DISPLACE W/138 BBLS CLAYTREAT WATER, BUMP PLUG @ 3110. FINAL LIFT PSI OF 2540, FLOATS HELD W/45 BBLS BACK TO TRUCK, GOOD RETURNS THROUGHOUT JOB W/30 BBLS LEAD CMT TO RESERVE PIT. REALEASE PIONEER 69 RIG ON 10/01/2009 AT 04:00 HRS.		
<div style="text-align: right;"> Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 05, 2009 </div>		
NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 10/2/2009	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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TYPE OF SUBMISSION	TYPE OF ACTION	
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<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 11/22/2009	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
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	<input type="checkbox"/> CHANGE WELL STATUS	
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	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: _____	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 11/22/2009 AT 12:00 P.M. PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY November 23, 2009		
NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 11/23/2009	

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-3CT		Spud Conductor: 7/2/2009		Spud Date: 7/3/2009	
Project: UTAH-UINTAH		Site: NBU 165 PAD			Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING		Start Date: 2/26/2009		End Date: 10/1/2009	
Active Datum: RKB @5,090.00ft (above Mean Sea Level)			UWI: NE/NW/0/10/S/22/E/3/0/0/6/PM/N/731.00/W/0/1,740.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
7/3/2009	18:00 - 21:30	3.50	MIRU	01	A	P		MIRU.
	21:30 - 0:00	2.50	DRLSUR	02	A	P		DRILL OUT W/ AIR HAMMER. AND AIR MIST.
7/4/2009	0:00 - 5:00	5.00	DRLSUR	02	A	P		DRILL 270'-520', DRILL W/ AIR HAMMER. TRONA WATER @ 430'.
	5:00 - 5:30	0.50	DRLSUR	10	B	P		SURVEY W/ MULTISHOT SURVEY TOOL. 510'= .4 DEG RAW AZI OF 175.8. CORRECTED AZI OF 187.19. SF 11.665, CENTER TO CENTER=24.03
	5:30 - 11:00	5.50	DRLSUR	02	A	P		DRILL 520'- 750', DRILL W/ AIR HAMMER. RESERVE PIT 1/2 FULL. TRIP FOR TRI CONE TO CIRC RESERVE.
	11:00 - 11:30	0.50	DRLSUR	10	B	P		SURVEY 740'= .1 DEG RAW AZI OF 111.1 CORRECTED AZI OF 122.39 SF= 7.242 CENTER TO CENTER 22.45'
	11:30 - 16:00	4.50	DRLSUR	06	A	P		TRIPOUT OF HOLE, LD HAMMER BIT AND P/U TRICONE AND 8" COLLARS.
	16:00 - 21:30	5.50	DRLSUR	02	A	P		DRILL 750'-870' CIRC W/ SKID PUMP AND AIR BOOSTERS.
	21:30 - 22:00	0.50	DRLSUR	10	B	P		SURVEY 790'= .1 DEG RAW AZI= 161.6. CORRECTED AZI OF 172.88. SF=6.54 CENTER TO CENTER 21.86.
7/5/2009	22:00 - 0:00	2.00	DRLSUR	02	A	P		DRILL 870'-960' CIRC W/ SKID PUMP.
	0:00 - 1:00	1.00	DRLSUR	02	A	P		DRILL 960'- 990' DRILL W/ TRICONE AND SKID PUMP, BOOST W/ AIR TO CONTROL LOSSES
	1:00 - 1:30	0.50	DRLSUR	10	B	P		SURVEY 910'= .2 DEG 242.0 RAW AZI, 253.2 CORRECTED AZI. SF 20.29 SF 5.256
	1:30 - 8:00	6.50	DRLSUR	02	A	P		DRILL 990'- 1130' DRILL W/ TRICONE AND SKID PUMP, BOOST W/ AIR TO CONTROL LOSSES
	8:00 - 8:30	0.50	DRLSUR	10	B	P		SURVEY 1010'= .3 DEG 249.7 RAW AZI, 260.98 CORRECTED AZI SF= 4.454 CENTER TO CENTER= 19.24
	8:30 - 13:30	5.00	DRLSUR	02	A	P		DRILL 1130'- 1230', DRILL W/ TRICONE, CIRC W. SKID PUMP W/ NO RETURNS. BOOST AIR FOR RETURNS
	13:30 - 14:00	0.50	DRLSUR	10	B	P		SURVEY 1130'= .7 DEG, 257.7 RAW AZI, CORRECTED AZI=268.98. SF 3.195 CENTER TO CENTER 17.53
	14:00 - 18:00	4.00	DRLSUR	02	A	P		DRILL 1230'- 1320' DRILL W/ TRICONE.
	18:00 - 18:30	0.50	DRLSUR	10	B	P		SURVEY 1220'= .6 DEG, 255.3 RAW AZI, CORRECTED AZI 266.58. CENTER TO CENTER 15.77. SF 2.998. PROJECTED CENTER TO CENTER TO BIT IS 13' AND SF 2.297.
								PROJECTED CENTER TO CENTER 6' @ 1500'. STOP DRILLING.
7/6/2009	18:30 - 21:00	2.50	DRLSUR	05	A	P		CIRC HOLE, MAKE FLUID, WAIT FOR DRILLING MUD TO SPOT IN HOLE
	21:00 - 22:00	1.00	DRLSUR	05	F	P		SPOT 130 BBLS OF 11.3 MUD IN HOLE. WAIT FOR RIG #11 TO MOVE IN.
	22:00 - 23:00	1.00	DRLSUR	01	E	P		RIG DOWN RIG #8, WAIT FOR RIG #11
	18:00 - 23:00	5.00	MIRU	01	B	P		MIRU PRO PETRO RIG #11.
	23:00 - 0:00	1.00	DRLSUR	06	A	P		HOLD SAFETY MEETING AND INSPECT LIFTING HOOKS AND CABLES, P/U 2.25 DEG BENTHOUSE MOTOR, M/U QD507 W/ 7-18'S, P/U DIRECTIONAL TOOLS, SCRIBE TOOLS. P/U BHA
7/7/2009	0:00 - 5:00	5.00	DRLSUR	06	A	P		P/U DIRECTIONAL TOOLS AND TRIP IN HOLE. TAKE SURVEYS EVERY 90' TO BOTTOM. HOLE IN GOOD SHAPE.

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-3CT		Spud Conductor: 7/2/2009		Spud Date: 7/3/2009	
Project: UTAH-UINTAH		Site: NBU 165 PAD		Rig Name No: PIONEER 69/69, PROPETRO/	
Event: DRILLING		Start Date: 2/26/2009		End Date: 10/1/2009	
Active Datum: RKB @5,090.00ft (above Mean Sea Level)		UWI: NE/NW/0/10/S/22/E/3/0/0/6/PM/N/731.00/W/0/1,740.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
7/8/2009	5:00 - 19:00	14.00	DRLSUR	02	D	P		DRILL SLIDE F/ 1320'- 2320' (1000', 71'/HR) BUMP DIRECTION TO NORTH WEST FROM EXISTING WELL.
	19:00 - 19:30	0.50	DRLSUR	05	A	P		CIRC HOLE CLEAN, W/ AIR BOOSTER.
	19:30 - 20:00	0.50	CSG	06	D	P		TRIP OUT OF HOLE 2050' BLEW HYDRALIC HOSE.
	20:00 - 23:00	3.00	MAINT	08	A	Z		REPLACE HYDRALIC HOSE. WAIT FOR HYDRALIC HOSE.
	23:00 - 0:00	1.00	CSG	06	D	P		LAYDOWN DRILL STRING.
	0:00 - 3:30	3.50	CSG	06	D	P		LD 6" COLLARS, 8" COLLARS, AND DIRECTIONAL TOOLS.
	3:30 - 7:00	3.50	CSG	12	C	P		HOLD SAFETY MEETING AND RUN 52 JTS OF 9-5/8 36# J-55 W/ LT&C THREADS AND LAND 2289' KB, FLOAT COLLAR @ 2244' KB. FLOAT FAILED 5 JTS TO BOTTOM OF HOLE. WATER DISPLACED THROUGH FLOAT INTO PIPE.
	7:00 - 7:30	0.50	CSG	01	E	P		RIG DOWN RIG RELEASE RIG 07:30
	7:30 - 8:30	1.00	CSG	12	E	X		RIG UP CSG HEAD, AND PUMP. 20 BBLs INTO FLUSH PIPE PRESSURED UP. PRESSURED UP TO 1700 PSI. BLEEDING OFF 100 PSI A MINUTE. UNABLE TO PUMP THROUGH CSG. RIG DOWN CEMENTERS.
	8:30 - 9:00	0.50	CSG	01	B	X		RIG UP RIG, AND READY TO PULL CASING.
9/24/2009	9:00 - 19:00	10.00	CSG	12	C	X		PULL CSG OUT OF HOLE./L/D FE
	19:00 - 0:00	5.00	CSG	12	C	X		RE-RUN 52 JTS TO 2295'
	12:30 - 13:30	1.00	DRLIN1	01	E	P		RDRT
	13:30 - 16:00	2.50	DRLIN1	01	A	P		MOVE TO NBU 1022-3CT,SCOPE SUB,RAISE & SCOPE DERRICK. WESTROCK 4-BED,5-HAUL,2-FORKLIFTS,4 SWAMPERS, 1 PUSHER, RELEASED 1600. J&C ENTERPRISE 1-OPERATOR, 2 SWAMPERS RELEASED 1500 RURT
	16:00 - 19:30	3.50	DRLIN1	01	B	P		NIPPLE UP BOP,CHOKE,ETC
9/25/2009	19:30 - 23:30	4.00	DRLIN1	14	A	P		(HELD SAFETY MEETING) RIG UP B&C QUICK TEST
	23:30 - 0:00	0.50	DRLIN1	15	A	P		TEST PIPE RAMS,BLIND RAMS,CHOKE & ALL FLOOR RELATED VALVE F/ 250 LOW TO5000 PSI HIGH. TEST HYDRILL 250 LOW TO 2500 PSI HIGH, TEST CSG TO 1500 PSI & HOLD 30 MIN.
	0:00 - 4:00	4.00	DRLPRO	15	A	P		(HELD SAFETY MEETING) RIG UP KIMZEY & PICK UP BHA,DIRECTIONAL TOOLS & 51 JTS DP TO 2101'
	4:00 - 8:00	4.00	DRLPRO	06	A	P		SLIP & CUT DRLG LINE
	8:00 - 9:00	1.00	DRLPRO	09	A	P		INSTALL ROTATING HEAD,BREAK CIRC & DO PRESPUD RIG INSPECTION & RIG SERVICE
	9:00 - 10:30	1.50	DRLPRO	07	A	P		DRILL CMT & FLOAT EQUIPMENT & 44' PRE DRILLED HOLE TO 2338' ROTARY SPUD 11:30 09/25/2009. CMT TOP 2185', FLOAT 2252', SHOE 2295'
	10:30 - 11:30	1.00	DRLPRO	02	F	P		DRILL W/ ROTATION 2338'- 2817' 479' @ 119.7 FPH,
	11:30 - 15:30	4.00	DRLPRO	02	D	P		WORK ON KELLY SPINNERS, JAWS STUCK CLOSED ON QUILL
	15:30 - 16:30	1.00	DRLPRO	08	A	Z		DRILL W/ ROTATION 2817'-3671' 854', 113.8 FPH, WOB 20, RPM 45, MRPM 98, SPM 125, GPM 473, PU/SO/ROT115/100/108, ON/OFF PSI 1457/1145, DIFF PSI 312, SWEEPING HOLE
	16:30 - 0:00	7.50	DRLPRO	02	D	P		

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US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-3CT		Spud Conductor: 7/2/2009		Spud Date: 7/3/2009	
Project: UTAH-UINTAH		Site: NBU 165 PAD		Rig Name No: PIONEER 69/69, PROPETRO/	
Event: DRILLING		Start Date: 2/26/2009		End Date: 10/1/2009	
Active Datum: RKB @5,090.00ft (above Mean Sea Level)		UWI: NE/NW/0/10/S/22/E/3/0/0/6/PM/N/731.00/W/0/1,740.00/O/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
9/26/2009	0:00 - 15:30	15.50	DRLPRO	02	D	P		DRILL,SLIDE,SURVEY 3671'- 5347' 1676' @ 108.1 FPH, WOB 20, RPM 45,MRPM 98, SPM 125,GPM 473, PU/SO/ROT 130/122/126, ON/OFF PSI 1500/1250, DIFF PSI 250, SWEEPING HOLE. SLIDE 4778-4793/4904-4918/4999-5014/5094-5104-5189-5202
	15:30 - 16:00	0.50	DRLPRO	07	A	P		RIG SERVICE
	16:00 - 0:00	8.00	DRLPRO	02	D	P		DRILL, SLIDE & SURVEY 5347' - 5936' 589' @ 73.6 FPH, WOB 22, RPM 45,MRPM 98, SPM 125,GPM 473, PU/SO/ROT 156/125/138, ON/OFF PSI 1599/1340, SWEEPING HOLE. SLIDE 5663-5673/5758-5773/5853-5865
9/27/2009	0:00 - 14:30	14.50	DRLPRO	02	D	P		DRILL,SLIDE,SURVEY 5936'-6895' 959' @ 66.1 FPH,WOB22, RPM 45,MRPM 98, SPM 125, GPM 473, PU/SO/ROT 159/143/149, ON/OFF PSI 1950/1723, DIFF PSI 227, SWEEPING HOLE. SLIDES 6421-6436/6453-6468/6485-6500
	14:30 - 15:00	0.50	DRLPRO	07	A	P		RIG SERVICE
	15:00 - 0:00	9.00	DRLPRO	02	D	P		DRILL,SLIDE,SURVEY 6895'-7216' 321'@ 35.6FPH,WOB 22, RPM 45, MRPM 98, SPM 125, GPM 473, PU/SO/ROT 180/140/155, ON/OFF PSI 2176/1864, DIFF PSI 312, VIS 33,MW 9.8,LCM 3%, BYPASSED SHAKERS. LOST 150 BBLS MUD TOTAL AFTER MUD UP TO 9.7 MW. DIRECTIONAL HAND ON LOCATION @ 17:00 F/ ASSISTANCE ON SLIDING. SLIDE 6942-6959/6959-6971/7022-7043/7085-7099/7149-7115
9/28/2009	0:00 - 15:00	15.00	DRLPRO	02	D	P		DRILL 7216'- 8128' 912' @ 60.8 FPH, WOB 22, RPM 55, MRPM 98, SPM 125,GPM 473, PU/SO/ROT 175/157/162, ON/OFF PSI 2450/2325, DIFF PSI 125, VIS 42, MW 11.2, LCM 8%
	15:00 - 15:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	15:30 - 0:00	8.50	DRLPRO	02	D	P		DRILL 8128'-8472 344' @ 40.4 FPH, WOB 24, RPM 50, MRPM 98, SPM 125, GPM 473, PU/SO/ROT, 200/150/169, ON/OFF 2459/2252, DIFF PSI 207, VIS 42,WT 11.7, LCM 12%. HOLE TAKING FLUID @ 8128' W/ 11.2 MW
9/29/2009	0:00 - 11:00	11.00	DRLPRO	02	D	P		DRILL 8472'-8911' TD 439' @ 39.9 FPH,WOB 24, RPM 50, MRPM 98, SPM 125,GPM 473, UP/DN/ROT 200/150/169, ON/OFF PSI 2453/2341, DIFF PSI 112, VIS 41,MW 11.8,LCM 13%
	11:00 - 12:30	1.50	DRLPRO	05	C	P		CIRC F/ SHORT TRIP TO SHOE
	12:30 - 21:30	9.00	DRLPRO	06	E	P		SHORT TRIP TO SHOE,TIGHT HOLE .HAD TO KELLY UP & PUMP OUT OF HOLE F/ 8879'-8603', TIGHT @ 8000', 5300 TO 5200, 4500', TIH, LOST @ 50 BBLS ON TRIP
	21:30 - 22:30	1.00	DRLPRO	03	A	P		WASH & REAM 6 JTS TO BOTTOM, 5' FILL
	22:30 - 0:00	1.50	DRLPRO	06	B	P		HPJSM w/ RIG & L/D CREWS, R/U & LDDS, TIGHT OFF BOTTOM FIRST 60', PULLED 50 TO 75 OVER LDDS,BREAK KELLY, L/D BHA & DIR TOOLS
	0:00 - 8:00	8.00	DRLPRO	06	B	P		HPJSM W/ RIG & LOGGING CREWS R/U & RUN TRIPLE COMBO, HIT BRIDGE @ 4020' WOULD NOT GO THOUGH, POOH W/ LOGGING TOOLS, R/D
9/30/2009	8:00 - 11:30	3.50	DRLPRO	11	C	P		MIX UP LCM FREE PILL TANK, PULL WEAR BUSHING
	11:30 - 12:00	0.50	DRLPRO	05	A	P		HPJSM W/ RIG & CASING CREWS, R/U & RUN 8905' 4 1/2" PROD CASING,WASH 20' TO BOTTOM, R/D
	12:00 - 19:30	7.50	DRLPRO	12	C	P		

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US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-3CT		Spud Conductor: 7/2/2009		Spud Date: 7/3/2009	
Project: UTAH-UINTAH		Site: NBU 165 PAD			Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING		Start Date: 2/26/2009		End Date: 10/1/2009	
Active Datum: RKB @5,090.00ft (above Mean Sea Level)		UWI: NE/NW/0/10/S/22/E/3/0/0/6/PM/N/731.00/W/0/1,740.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	19:30 - 21:00	1.50	DRLPRO	05	A	P		INSTALL BJ HEAD & CIRC OUT GAS
	21:00 - 0:00	3.00	DRLPRO	12	E	P		HPJSM W/ RIG & CEMENT CREWS, R/U & TEST LINES TO 4000 PSI, PUMP 40 BBLS F/W SPACER, LEAD 510 SXS- 11.8 PPG-2.42 YLD, TAIL 1235 SXS- 14.3 PPG- 1.31 YLD, DROP PLUG & DISPLACE W/ 138 BBLS CLAYTREAT WATER, BUMP PLUG @ 3110, W/ FINANL LIFT PSI OF 2540,FLOATS HELD W/ 1.5 BBLS BACK TO TRUCK, GOOD RETURNS THOUGH OUT JOB W/ 30 BBLS LEAD CEMENT TO RESERVE PIT, FLUSH OUT STACK & LAND CASING W/80K,REMOVE LANDING JT, SHOE @ 8905 - FLOAT @ 8862'
10/1/2009	0:00 - 4:00	4.00	DRLPRO	14	A	P		N/D BOPE, CLEAN PITS, RELEASE RIG @ 04:00 10/1/09

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US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-3CT		Spud Conductor: 7/2/2009		Spud Date: 7/3/2009	
Project: UTAH-UINTAH		Site: NBU 165 PAD			Rig Name No: MILES-GRAY 1/1
Event: COMPLETION		Start Date: 11/16/2009		End Date: 11/20/2009	
Active Datum: RKB @5,090.00ft (above Mean Sea Level)		UWI: NE/NW/0/10/S/22/E/3/0/0/6/PM/N/731.00/W/0/1,740.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
10/26/2009	-							
11/16/2009	7:00 - 7:15	0.25	COMP	48		P		JSA-SAFETY MEETING #1, DAY 1
	7:15 - 17:00	9.75	COMP	30	A	P		ROAD RIG FROM NBU-1022- 3FT TO LOC, MIRU, N/D WH, N/U BOPS, R/U TBG EQUIPT, P/U 3 7/8" BIT TIH W/ 2 3/8" TBG TALLY TBG IN HOLE, TO @ 8000', TOOH W/ TBG STANDING IN DERRICK, SHUT WELL IN SDFN,
11/17/2009	7:00 - 7:15	0.25	COMP	48		P		JSA-SAFETY MEETING #2, DAY 2
	7:15 - 9:00	1.75	COMP	33	C	P		N/D BOPS, N/U FRAC VALVE, R/U B&C QUICK TEST, PRESSURE TEST CSG & FRAC VALVE TO 7000#, OK
	9:00 - 15:00	6.00	COMP	37	B	P		(PERF STG #1) R/U CUTTER WIRELINE, RIH W/ 3 3/8" PERF GUNS, PERF THE MESAVERDE @ 8742'- 8746', 8786'- 8792', USING 3 3/8" EXP GUNS, 23 gm, 0.36 HOLE 90* PHS, 40 HOLES, RIG WIRELINE TO SIDE OF DERRICK, SHUT WELL IN SDFN,
11/19/2009	6:30 - 6:45	0.25	COMP	48		P		JSA-SAFETY MEETING #4, DAY 4
	6:45 - 7:30	0.75	COMP	37	B	P		(PERF STG #5) R/U CUTTER WIRELINE RIH W/ HALLIBURTON 8K CBP AND PERF GUNS, SET CBP @ 7710', PERF THE MESAVERDE @ 7678'- 7680', 7570'- 7572', 7530'- 7532', 7500'- 7501', 7450'- 7453', 4-SPF, USING 3 3/8" EXP GUNS, 23 gm, 0.36 HOLE, 90* PHS, 40 HOLES,
	7:30 - 9:20	1.83	COMP	36	E	P		(FRAC STG #5) FRAC CREW ARRIVED @ 8:00 AM, START FRACING @ 9:00 AM, WHP = 369#, BRK DN PERF @ 5019# @ 4 B/M, INJ-P = 5555#, INJ-RT = 50 B/M, ISIP = 2725#, F.G.= 0.79, CALC 70% PERF OPEN, PUMP 692 BBLS SLK WTR & 24048# OTTAWA SAND, ISIP = 2301#, F.G.= 0.74, NPI = -- 424, MP = 5980#, MR = 51.4 B/M, AP = 4570#, AR = 50.5 B/M, 19048# 30/50 OTTAWA SD, 5000# TLC SD, 59 GALS CLAYTREAT, 14 GALS FRW, 77 GALS NALCO SCALE INHIB, 14 GALS NALCO BIOCID, COMMENTS = GOOD JOB
	9:20 - 10:45	1.42	COMP	36	E	P		(STG #6) RIH W/ HALLIBURTON 8K CBP AND PERF GUNS, SET CBP @ 7310', PERF THE MESAVERDE @ 7262'- 7264', 7180'- 7184', 7140'- 7142', 7068'- 7070', 4-SPF, USING 3 3/8" EXP GUNS, 23 gm, 0.36 HOLE, 90* PHS, 40 HOLES, WHP = 250 #, BRK DN PERF @ 3186# @ 4 B/M, INJ-P = 4125#, INJ-RT = 50 B/M, ISIP = 1971#, F.G.= 0.71, CALC 98% PERF OPEN, PUMP1070 BBLS SLK WTR & 46165# OTTAWA SAND, ISIP = 2148#, F.G.= 0.78, NPI = 177, MP = 4873#, MR = 52.4 B/M, AP = 4025#, AR = 51.3 B/M, 41165# 30/50 SD, 5000# TLC SD, 78 GALS CLAYTREAT, 19 GALS FRW, 45 GALS NALCO SCALE INHIB, 23 GALS NALCO BIOCID COMMENTS = GOOD JOB

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US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-3CT			Spud Conductor: 7/2/2009			Spud Date: 7/3/2009		
Project: UTAH-UINTAH			Site: NBU 165 PAD				Rig Name No: MILES-GRAY 1/1	
Event: COMPLETION			Start Date: 11/16/2009				End Date: 11/20/2009	
Active Datum: RKB @5,090.00ft (above Mean Sea Level)			UWI: NE/NW/0/10/S/22/E/3/0/0/6/PM/N/731.00/W/0/1,740.00/0/0					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub- Code	P/U	MD From (ft)	Operation
	10:45 - 12:30	1.75	COMP	34	I	P		(KILL PLUG) RIH W/ HALLIBURTON 8K CBP, SET CBP @ 7010', POOH R/D WIRELINE AND FRAC CREW, TOTAL FLUID - 10129 BBLS SLK WTR, TOTAL SAND = 406 453#, TOTAL CLAYTREAT = 738 GALS, TOTAL FRW = 253 GALS, TOTAL NALCO SCALE INHIB = 792 GALS, TOTAL NALCO BIOCID = 178 GALS, N/D FRAC VALVE N/U BOPS, P/U 3 7/8" BIT & POBS, TIH W/ 2 3/8" TBG TO 7000', R/U POWER SWIVEL, SHUT WELL IN SDFN, JSA-SAFETY MEETING #5, DAY 5
	12:30 - 16:00	3.50	COMP	31	I	P		
11/20/2009	7:00 - 7:15	0.25	COMP	48		P		

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US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-3CT	Spud Conductor: 7/2/2009	Spud Date: 7/3/2009
Project: UTAH-UINTAH	Site: NBU 165 PAD	Rig Name No: MILES-GRAY 1/1
Event: COMPLETION	Start Date: 11/16/2009	End Date: 11/20/2009
Active Datum: RKB @5,090.00ft (above Mean Sea Level)	UWI: NE/NW/0/10/S/22/E/3/0/0/6/PM/N/731.00/W/0/1,740.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:15 - 16:00	8.75	COMP	44	C	P		<p>R/U POWER SWIVEL, TAG CBP @ 7018', ESTB CIRC DN TBG OUT CSG,</p> <p>(DRLG CBP #1) 7018', DRILL OUT HALLIBURTON 8K CBP IN 5 MIN, 100# DIFF, RIH TAG @ 7264', C/O 30' SAND, FCP = 100#,</p> <p>(DRLG CBP #2) 7294', DRILL OUT HALLIBURTON 8K CBP IN 10 MIN, 50# DIFF, RIH TAG @ 7680', C/O 30' SAND, FCP = 150 #,</p> <p>(DRLG CBP #3) 7710', DRILL OUT HALLIBURTON 8K CBP IN 10 MIN, 150# DIFF, RIH TAG @ 8032', C/O 30' SAND, FCP = 300#,</p> <p>(DRLG CBP #4) 8062', DRILL OUT HALLIBURTON 8K CBP IN 10 MIN, 100# DIFF, RIH TAG @ 8300', C/O 30' SAND, FCP = 400#,</p> <p>(DRILL CBP #5) 8330', DRILL OUT HALLIBURTON 8K CBP IN 10 MIN, 100# DIFF, RIH TAG @ 8583', C/O 30' SAND, FCP = 500#,</p> <p>(DRILL CBP #6) 8613', DRILL OUT HALLIBURTON 8K CBP IN 10 MIN, 100# DIFF, RIH TAG @ 8811', C/O 50' SAND TO PBTD @ 8861', FCP = 750#,</p> <p>CIRC WELL CLEAN, R/D POWER SWIVEL, POOH LAY DN 16 JTS ON TRAILER, LAND TBG W/ HANGER W/ 266 JTS 2 3/8" J-556 TBG, EOT @ 8372.27', R/D TBG EQUIP, N/D BOPS, DROP BALL DN TBG, N/U WELL HEAD, PUMP OFF BIT SUB @ 1800#,WAIT 30 MIN FOR BIT TO FALL TO BOTTOM, OPEN WELL UP TO FBT ON 20/64 CHOKE, FTP = 1800#, SICP = 2600#, TURN WELL OVER TO FBC @ 4:00 PM, W/ 8781 BBLs WTR LTR.</p> <p>AVG 10 MIN / PLUG W/ AVG 30' SAND / PLUG,</p> <p>R/D EQUIP AND RIG MOVED OFF LOC,</p> <p>285 JTS 2 3/8" J-55 DELV.</p> <p>266 JTS 2 3/8" J-55 LANDED,</p> <p>19 JTS 2 3/8" J-55 RETURNED</p> <p>KB = 18.00'</p> <p>CAMERON 5K HANGER =</p> <p>.83'</p> <p>266 JTS 2 3/8" J-55 TBG = 8351.75'</p> <p>2 3/8" XN-NIPPLE FAST EDDIE =</p> <p>2.20'</p> <p>EOT = 8372.78'</p> <p>7 AM FLBK REPORT: CP 2700#, TP 2300#, 20/64" CK, 40 BWPH, HEAVY SAND, - GAS</p> <p>TTL BBLs RECOVERED: 3118</p> <p>BBLs LEFT TO RECOVER: 7511</p> <p>7 AM FLBK REPORT: CP 3300#, TP 2500#, 20/64" CK, 38 BWPH, HEAVY SAND, - GAS</p> <p>TTL BBLs RECOVERED: 4044</p> <p>BBLs LEFT TO RECOVER: 6585</p>
11/21/2009	7:00 -			33	A			
11/22/2009	7:00 -			33	A			

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US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-3CT		Spud Conductor: 7/2/2009		Spud Date: 7/3/2009	
Project: UTAH-UINTAH		Site: NBU 165 PAD			Rig Name No: MILES-GRAY 1/1
Event: COMPLETION		Start Date: 11/16/2009		End Date: 11/20/2009	
Active Datum: RKB @5,090.00ft (above Mean Sea Level)			UWI: NE/NW/0/10/S/22/E/3/0/0/6/PM/N/731.00/W/0/1,740.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	12:00 -		PROD	50				WELL TURNED TO SALE @ 1200 HR ON 11/22/09 - FTP 2625#. CP 3400#, 3.2 MCFD, 35 BWPD, 20/64 CK
11/23/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3200#, TP 2450#, 20/64" CK, 30 BWPH, MEDIUM SAND, - GAS TTL BBLs RECOVERED: 4843 BBLs LEFT TO RECOVER: 5786

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STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 1022-03CT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0731 FNL 1740 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 03 Township: 10.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047401500000
PHONE NUMBER: 720 929-6515 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

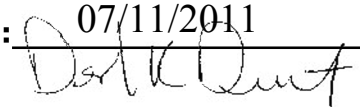
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/28/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input checked="" type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: Wellhead Repair

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

 The operator requests approval to conduct wellhead/casing repair operations on the subject well location. Please find the attached procedure for the proposed repair work on the subject well location.

Accepted by the
Utah Division of
Oil, Gas and Mining

Date: 07/11/2011

By: 

NAME (PLEASE PRINT) Gina Becker	PHONE NUMBER 720 929-6086	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 6/28/2011	

WORKORDER #:

Name: NBU 1022-3CT
Surface Location: NENW Sec. 3, T10S, R22E
 Uintah County, UT

6/16/2011

API: 4304740150 **LEASE#:** UTU-01191

ELEVATIONS: 5072' GL 5090' KB

TOTAL DEPTH: 8911' **PBTD:** 8861'

SURFACE CASING: 9 5/8", 36# J-55 @ 2311'

PRODUCTION CASING: 4 1/2", 11.6#, I-80 @ 8906'
 TOC @ Surface per CBL

PERFORATIONS: Mesaverde 7068' – 8792'

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02171	0.00387
4.5" 11.6# I-80	3.875	6350	7780	0.6528	0.0872	0.0155
9.625" 36# J-55	8.921	2020	3520	3.247	0.434	0.0773
Annular Capacities						
2.375" tbg. X 4 1/2" 11.6# csg				0.4227	0.0565	0.01

GEOLOGICAL TOPS:

1166' Green River
 1955' Mahogany
 4344' Wasatch
 6742' Mesaverde

NBU 1022-3CT- WELLHEAD REPAIR PROCEDURE

PREP-WORK PRIOR TO MIRU:

1. Dig out down to the 2" surface casing valve or to the valve on the riser off the surface casing.
2. Install a tee with 2 valves, with a pressure gauge and sensor on one valve.
3. Open casing valve and record pressures.
4. Install nipple and steel hose on the other valve, the relief valve,. Do not use hammer unions. No impact equipment or tools to be used for any of this installation. Extend hose and hard piping to a downwind location at least 100' from the wellhead. Consider installing a manifold so that vent area could be in two locations approx. 90 degrees apart from the wellhead.
5. Open the relief valve and blow well down to the atmosphere.
6. Make a determination of amount of gas flow, either by installation of a choke nipple, bucket test or other.
7. Shut well in. Observe for rate of build-up by utilizing sensor data. Do not build-up for more than 24 hours. Vent gas through the vent line and leave open to the atmosphere.

WORKOVER PROCEDURE:

1. MIRU workover rig.
2. Kill well with 10# brine / KCL (dictated by well pressure).
3. Remove tree, install double BOP with blind and 2 3/8" pipe rams, with accumulator closing unit and manual back-ups. Function test BOP system.
4. POOH w/ tubing laying down extra tubing.
5. Rig up wireline service. RIH and set CBP @ ~7018'. Dump bail 4 sx cement on top of plug. POOH and RD wireline service. TIH w/ tubing and seating nipple. Land tubing ±60' above cement. RDMO.
6. Monitor well pressures. If surface casing is dead. MIRU. ND WH and NU BOP. POOH w/ tubing.
7. Depending on conditions at wellsite, continue with either CUT/PATCH Procedure or BACK-OFF Procedure.

CUT/PATCH PROCEDURE:

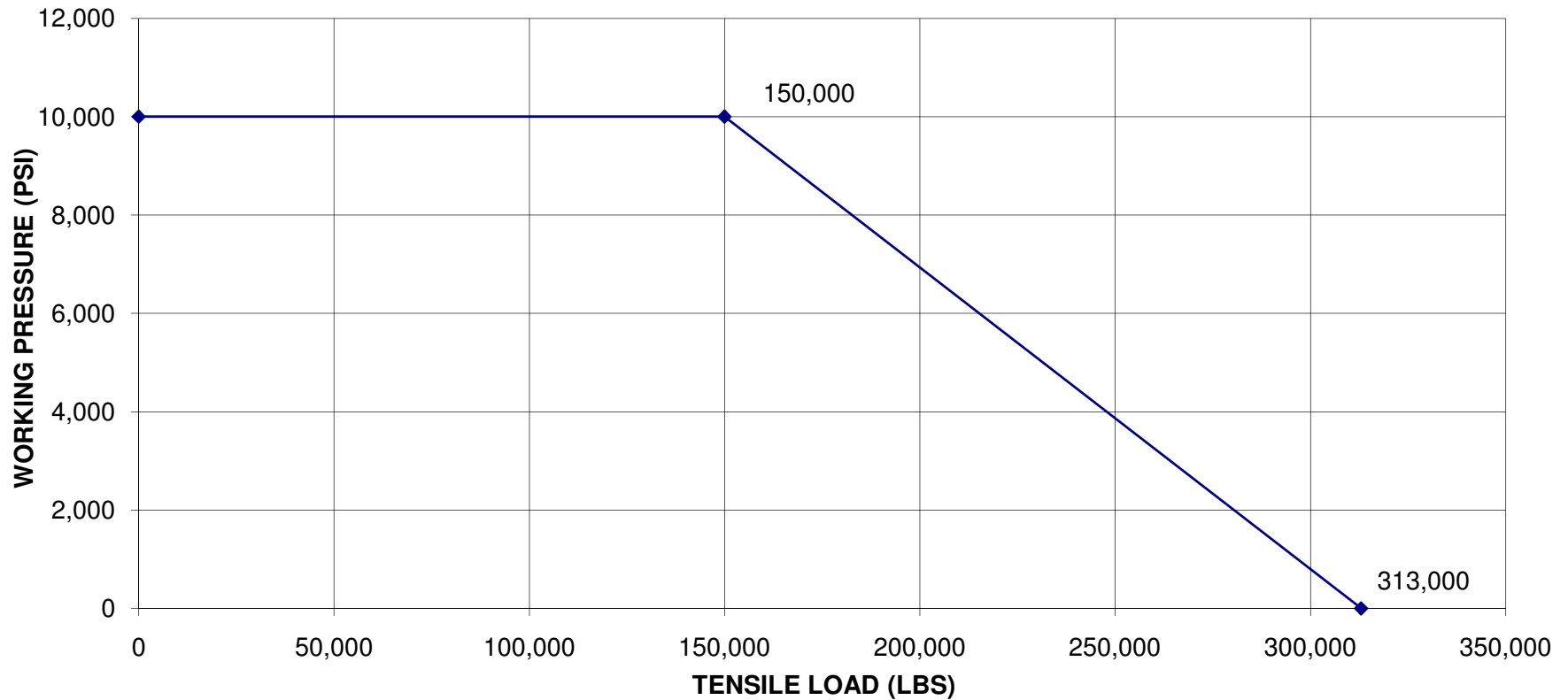
1. PU internal casing cutters and RIH. Cut casing at +/- 30' from surface.
2. POOH, LD cutters and casing.
3. PU 7 3/8" overshoot with 4 1/2" right hand standard wicker grapple, 1 - 4 3/4" drill collar with 3 1/2" IF threads, pup joint, manual bumper sub, and crossovers. If casing cut is deeper than ±30' utilize >7000 ft-lb torque pipe as needed. Pull a minimum of 10,000# to keep grapple engaged if cement top is high (<~900'). If cement top is low (>~900'), more weight will be required to put casing in neutral. Torque casing string to ±7000 ft-lbs, count number of turns to make-up, and document in the daily report. Ensure that tongs are safely anchored to rig and that all personnel are at a safe working distance from the tongs during torque-up and torque release. After initial make-up, place pipe torque to neutral and mark pipe. Place ±7000 ft-lbs on casing a second time, count turns, then return pipe torque to neutral and count turns. Repeat if torque-up turns do not equal torque release turns. Once torque-in equals torque-out, release overshoot, POOH, and lay down.
4. TIH w/ skirted mill and dress off the fish top for approximately 1/2 hour. TOOH.
5. PU & RIH w/ 4 1/2" 10k external casing patch on 4 1/2" P-110 casing. Ensure that sliding sleeve assembly shifts ±3' and casing tags no-go portion of patch. NOTE: Shear pins will shear at 3500 to 4500 lbs.
6. Latch fish, PU to 100,000# tension. RU B&C. Cycle pressure test to 3500 psi.
7. Install slips. Land casing w/ 80,000# tension.
8. Cut-off and dress 4 1/2" casing stub.
9. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~6968'. Clean out to PBTD (8861').
10. POOH, land tbg and pump off POBS.
11. NUWH, RDMO. Turn well over to production ops.

BACK-OFF PROCEDURE:

1. PU internal casing cutters and RIH. Cut casing at +/- 6' from surface.
2. POOH, LD cutters and casing.
3. PU 4 1/2" overshoot. RIH, latch fish. Pick string weight to neutral.
4. MIRU casing crew and wireline services. RIH and shoot string shot at casing collar @ ± 46'.
5. Back-off casing, POOH.

6. PU new casing joint with buttress threads and entry guide and RIH. Tag casing top. Thread into casing and torque up to ± 7000 ft-lbs, count number of additional turns to make-up, and document in the daily report. Ensure that tongs are safely anchored to rig and that all personnel are at a safe working distance from the tongs during torque-up and torque release. After initial make-up, place pipe torque to neutral and mark pipe. Place ± 7000 ft-lbs on casing a second time, count turns, then return pipe torque to neutral and count turns. Repeat if torque-up turns do not equal torque release turns. Once torque-in equals torque-out go to step 7.
7. PU 100,000# tension string weight. RU B&C. Cycle pressure test to 3500 psi.
8. Install slips. Land casing w/ 80,000# tension.
9. Cut-off and dress 4 1/2" casing stub.
10. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~6968'. Clean out to PBTD (8861').
11. POOH, land tbg and pump off POBS.
12. NUWH, RDMO. Turn well over to production ops.

**STRENGTH DATA FOR LOGAN 5.88" OD "L" TYPE CSG PATCH
4-1/2 CASING, 10K PSI MAX WP 125K YIELD MAT'L
LOGAN ASSEMBLY NO. 510L-005 -000**



COLLAPSE PRESSURE:
11,222 PSI @ 0 TENSILE
8,634 PSI @ 220K TENSILE

Tensile Strength @ Yield:
Tensile Strength w/ 0 Int. Press.= 472,791lbs.
Tensile Strength w/ 10K Int. Press.= 313,748lbs.

DATA BY SLS 11/16/2009

RECEIVED Jun. 28, 2011



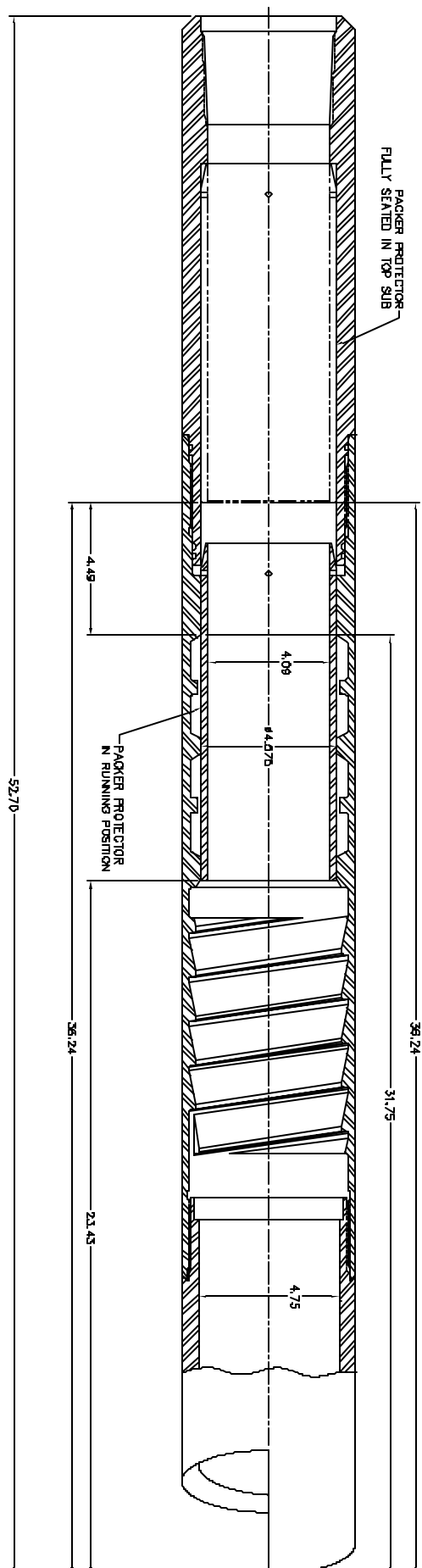
Logan High Pressure Casing Patches Assembly Procedure

All parts should be thoroughly greased before being assembled.

1. Install all four Logan Type "L" Packers in the spaces provided in the Casing Patch Bowl. Refer to diagram provided for proper installation.
2. Install Packer Protector from the Basket Grapple end of the Bowl. The beveled end of the Packer Protector goes in first. Carefully push the Packer Protector through the four Type "L" Packers.
3. Align Shear Pin Holes in Packer Protector so that the holes have just passed into the counter bore at the Top Sub end, refer to diagram. The Packer Protector is provided with four Shear Pin Holes. Use only two holes, 180 degrees apart and install the pins.
4. Screw the Basket Grapple in from the lower end of the Bowl, using left-hand rotation. The Tang Slot in the Basket Grapple must land in line with the slot in the Bowl.
5. Insert the Basket Grapple Control into the end of the Bowl. Align Tang on the Basket Grapple Control with the Tang Slot of the Bowl and Basket Grapple. This secures the Bowl and the Basket Grapple together.
6. Install the Cutlipped Guide into the lower end of the Bowl.
7. Install O-Rings on the two five-foot long Extensions. Screw the first Extension into the top end of the Bowl. Screw the second Extension into the top end of the first Extension.
8. Install O-Ring on Top Sub. Screw Top Sub into top end of second Extension.

Follow recommended Make-Up Torque as provided in chart.

510L-005-001 4-1/2" LOGAN HP CASING PATCH



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 1022-03CT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0731 FNL 1740 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 03 Township: 10.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047401500000
PHONE NUMBER: 720 929-6515 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input checked="" type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: Wellhead Repair
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/1/2011			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR HAS CONCLUDED WELLHEAD/CASING REPAIRS ON THE SUBJECT WELL LOCATION. PLEASE SEE THE ATTACHED CHRONOLOGICAL HISTORY FOR DETAILS OF THE OPERATIONS.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Gina Becker	PHONE NUMBER 720 929-6086	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 9/1/2011	

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-3CT				Spud Conductor: 7/2/2009				Spud Date: 7/3/2009				
Project: UTAH-UINTAH				Site: NBU 165 PAD					Rig Name No: LEED 698/698			
Event: WELL WORK EXPENSE				Start Date: 8/11/2011					End Date: 8/17/2011			
Active Datum: RKB @5,090.00ft (above Mean Sea Leve				UWI: NE/NW/0/10/S/22/E/3/0/0/6/PM/N/731.00/W/0/1,740.00/0/0								
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation				
8/11/2011	7:00 - 9:00	2.00	ALL	30	G	P						
	9:00 - 10:00	1.00	ALL	30	A	P		MIRU.				
	10:00 - 10:30	0.50	ALL	48		P		HSM, ROAD RIG EQUIPMENT & RU.				
	10:30 - 11:00	0.50	ALL	30	F	P		FCP. 156 PSI. FTP. 156 PSI. BLEW TBG DWN, CONTROL TBG 10 BBLS, TBG PRESSURE TO 1700 PSI. TBG PLUGGED, ND WH, NU BOP'S, RU FLOOR & TBG EQUIPMENT.				
	11:00 - 14:00	3.00	ALL	31	I	P		UNLAND TBG HANGER, POOH 266 JTS. 2-3/8 J-55 TBG, LD LAST 2 JTS PLUGGED W/ BARIUM SCALE.				
	14:00 - 16:00	2.00	ALL	34	I	P		RU J-W WIRELINE COMPANY, RIH 4-1/2 BAKER 10K CIBP & SET @ 7018', POOH TOOLS, RD J-W WIRELINE COMPANY, FILL CSG W/ T-MAC, P.T. PLUG TO 3000 PSI. HELD, SWI, SDFN.				
8/12/2011	7:00 - 7:30	0.50	ALL	48		P		HSM, REVIEW BACK-OFF PROCEDURE.				
	7:30 - 8:00	0.50	ALL	47	A	P		RD FLOOR & TBG EQUIPMENT, ND BOP'S, ND CSG BOWL, RU PWR SWVL,				
	8:00 - 9:15	1.25	ALL	31	B	P		PU INTERNAL CSG CUTTER & RIH, CUT 4-1/2 CSG 3' F/ SURFACE, POOH, LD CUTTER & CSG, RD PWR SWVL, PU 4-1/2 OVERSHOT, RIH, LATCH FISH, RU CSG CREW & WIRELINE SERVICES & STRING SHOT COLLAR, LOST CCL DWN HOLE, BACK-OFF CSG PUP JNT, POOH, RD CSG CREW & WIRELINE SERVICES, PU NEW 10' PUP JNT W/ ENTRY GUIDE, TAG CSG TOP, THREAD INTO CSG, TORQUE CSG TO 7000# W/ 13 ROTATIONS ON CSG, PU CSG TO 100,000# TENSION.				
	9:15 - 10:15	1.00	ALL	33	C	P		RU B&C QUICK TEST, P.T. 4-1/2 CSG TO 1000 PSI. FOR 15 MINS. LOST 19 PSI. IN 15 MINS. P.T. 4-1/2 CSG TO 3500 PSI. FOR 30 MINS, LOST 51 PSI. FOR 30 MINS. RD B&C QUICK TEST.				
	10:15 - 12:00	1.75	ALL	47	C	P		SET C-22 SLIPS, LAND 4-1/2 CSG W/ 85,000# TENSION, CUT-OFF & DRESS 4-1/2 CSG STUB, NU CSG BOWL, NU BOP'S, RU FLOOR & TBG EQUIPMENT.				
	12:00 - 14:30	2.50	ALL	35	D	S		W/O FISHING TOOLS, RU SWAB EQUIPMENT, RIH W/ 1-7/16 OVERSHOT TO RETRIEVE CABLE HEAD, CCL, & SHOT ROD, OVERALL LENGTH 7'.75", UNSUCCESSFUL, POOH & LD SWAB EQUIPMENT.				
	14:30 - 17:00	2.50	ALL	31	I	P		PU 3-7/8 HURRICANE MILL, BIT SUB, RIH 224 JTS. 2-3/8 J-55 TBG, TAG WIRELINE TOOLS @ 7013', LD 1 JNT. EOT @ 7010', W/ 223 JTS. IN WELL, SWI, SDFWE.				
8/15/2011	7:00 - 7:30	0.50	ALL	48		P		HSM, REVIEW RU PWR SWVL.				
	7:30 - 8:00	0.50	ALL	47	A	P		NU PWR SWVL, INSTALL TSF, RU TECH FOAM.				
	8:00 - 8:30	0.50	ALL	31	H	P		BROKE CIRC IN 30 MINS.				
	8:30 - 19:00	10.50	ALL	44	D	P		PU 1 JNT, TAG WIRELINE TOOLS @ 7013', MILLED ON WIRELINE TOOLS, MADE 6.0', CIRC HOLE CLEAN, SWI, SDFN.				
8/16/2011	7:00 - 7:30	0.50	ALL	48		P		HSM, REVIEW TRIPPING TBG.				
	7:30 - 11:30	4.00	ALL	31	I			LD PWR SWVL, POOH 224 JTS. 2-3/8 J-55 TBG, LD MILL, PU NEW 3-7/8 MILL & RIH 224 JTS. 2-3/8 J-55 TBG.				

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-3CT		Spud Conductor: 7/2/2009		Spud Date: 7/3/2009	
Project: UTAH-UINTAH		Site: NBU 165 PAD			Rig Name No: LEED 698/698
Event: WELL WORK EXPENSE		Start Date: 8/11/2011		End Date: 8/17/2011	
Active Datum: RKB @5,090.00ft (above Mean Sea Leve		UWI: NE/NW/0/10/S/22/E/3/0/0/6/PM/N/731.00/W/0/1,740.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	11:30 - 14:00	2.50	ALL	44	D			PU PWR SWVL, INSTALL TSF, RU TECH FOAM,TAG WIRELINE TOOLS @ 7017', ESTAB CIRC IN 20 MINS, D/O WIRELINE TOOLS & CIBP, FELL THROUGH, HAD 150 PSI. INCREASE, KILL TBG, REMOVE TSF, LD PWR SWVL.
	14:00 - 14:30	0.50	ALL	31	I			RIH 2-3/8 J-55 TBG F/ DERRICK, TAG SCALE @ 7885' W/ 251 JTS. RU PWR SWVL, INSTALL TSF, ESTAB CIRC IN 10 MINS.
	14:30 - 17:30	3.00	ALL	44	D			D/O HARD BARIUM SCALE F/ 7885' TO 8013', FELL THROUGH, LD PWR SWVL, REMOVE TSF, RIH TBG & TAG SCALE @ 8373', RU PWR SWVL, INSTALL TSF, ESTAB CIRC IN 10 MINS, D/O HARD BARIUM SCALE F/ 8371' TO 8391' IN 45 MINS. CIRC HOLE CLEAN, SWI, SDFN.
8/17/2011	7:00 - 7:30	0.50	ALL	48		P		HSM, REVIEW AIR FOAM UNIT.
	7:30 - 9:00	1.50	ALL	44	D	P		SICP. 1100 PSI. SITP. 500 PSI. ESTABLISH CIR IN 10 MINS, C/O F/ 8391' TO 8437' FELL THROUGH, RIH W/ TBG @ TAG @ 8858', CIRC HOLE CLEAN, RD PWR SWVL,
	9:00 - 15:30	6.50	ALL	31	I	P		POOH & LD 15 JTS. 2-3/8 TBG ON TRAILER, REMOVE TSF, POOH 266 JTS. 2-3/8 J-55 TBG, LD MILL, PU 1.875 XN HALF POBS, & RIH 133 JTS. TBG, RU SWAB EQUIPMENT, RIH 1.9 BROACH & BROACH TBG TO EOT @ 4175', GOOD, POOH, FINISH RIH 133 JTS.TBG, EOT @ 4175', RU SWAB EQUIPMENT, RIH 1.9 BROACH & BROACH TBG TO 4175', GOOD, POOH, LAND TBG HANGER, RD FLOOR & TBG EQUIPMENT, ND BOP'S, NU WH, RDMO.

TBG DETAIL

KB-----18'
 CAMERON HANGER-----.83"
 266 JTS. 2-3/8 J-55 TBG @-----8351.75'
 1.875 XN HALF POBS-----2.20'
 EOT @-----8372.78'
 TOP PERF @ 7068'
 BTM PERF @ 8792'
 PBTD @ 8861
 WLTR. 77 BBLS.
 API # 4304740150-00S1

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well		8. WELL NAME and NUMBER: NBU 1022-03CT
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		9. API NUMBER: 43047401500000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0731 FNL 1740 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 03 Township: 10.0S Range: 22.0E Meridian: S		COUNTY: UINTAH
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 8/14/2012 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input checked="" type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The operator requests authorization to temporarily abandon the subject well location in order to drill the NBU 1022-3C pad. Please see attached procedures.		
<div>Accepted by the Utah Division of Oil, Gas and Mining</div> <div>Date: August 20, 2012</div> <div>By: <u>Derek Quist</u></div>		
NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 8/14/2012	

Well Name: NBU 1022-3CT
Surface Location: NENW Sec. 3, T10S, R22E
Uintah County, UT

8/14/12

Recommended action for disposition of well bore:

This well will be temporarily abandoned to accommodate drilling operations in one of 2 ways. We will either plug the wellbore as outlined in the attached procedure or Shut-In in the following manner: a) Set a tubing plug near EOT, install a flange over the tbg hanger, removal of master valve, set VR plugs in casing head at surface, and removal of casing wing valves, replaced with blind flanges.

API: 4304740150 **LEASE#:** U-01191

ELEVATIONS: 5072' GL 5090' KB

TOTAL DEPTH: 8911' **PBTD:** 8861'

SURFACE CASING: 9 5/8", 36# J-55 @ 2311'

PRODUCTION CASING: 4 1/2", 11.6# I-80 @ 8906'
TOC @ Surface per CBL

PRODUCTION TUBING: 2 3/8" J-55 TBG @ 8373' (Workover rpt 8/17/11)

PERFORATIONS: MESAVERDE 7068' - 8792'

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02171	0.00387
4.5" 11.6# I-80	3.875	6350	7780	0.6528	0.0872	0.0155
9.625" 36# J-55	8.921	2020	3520	3.247	0.434	0.0773
Annular Capacities						
2.375" tbg. X 4 1/2" 11.6# csg				0.4227	0.0565	0.01

GEOLOGICAL TOPS:

4344' Wasatch
6742' Mesaverde

NBU 1022-3CT TEMPORARY ABANDONMENT PROCEDURE

GENERAL

- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDES. PREMIX 5 GALLONS PER 100 BBLs FLUID.
- NOTIFY BLM/UDOGM 24 HOURS BEFORE MOVING ON LOCATION.

PROCEDURE

Note: An estimated 24 sx of cement needed to perform procedure.

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. RU WIRELINE. ENSURE WELLBORE IS CLEAN. A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.
3. RUN GYRO SURVEY.
4. **PLUG #1, ISOLATE MV PERFORATIONS (7068' – 8792'):** RIH W/ 4 ½" CBP. SET @ ~7020'. RELEASE CBP, PUH 10', BRK CIRC W/ FRESH WATER. PRESSURE TEST CASING TO 500 PSI. INFORM ENGINEERING IF IT DOESN'T TEST. DISPLACE A MINIMUM OF **8 SX/ 1.6 BBL/ 8.7 CUFT.** ON TOP OF PLUG. PUH ABOVE TOC (~6920'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
5. **PLUG #2, PROTECT TOP OF WASATCH (4344'):** PUH TO ~4450'. BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF **16 SX / 3.3 BBL / 18.3 CUFT** AND BALANCE PLUG W/ TOC @ ~4240' (210' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER.
6. LOWER WELLHEAD TO GROUND LEVEL TO ACCOMMODATE DRILLING OPS AND INSTALL MARKER PER UDOGM GUIDELINES.
7. RDMO. TURN OVER TO DRILLING OPERATIONS.

ALM 8/14/12

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 1022-03CT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0731 FNL 1740 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 03 Township: 10.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047401500000
PHONE NUMBER: 720 929-6511		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/29/2013	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input checked="" type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The operator has concluded the temporary abandonment operations on the subject well location on 7/29/2013. This well was plugged in order to expand and drill the NBU 1022-3C Pad wells. Please see the attached chronological well history for details. Thank you.		
NAME (PLEASE PRINT) Teena Paulo		PHONE NUMBER 720 929-6236
SIGNATURE N/A		TITLE Staff Regulatory Specialist
DATE 8/20/2013		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 13, 2013

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-3CT				Spud Conductor: 7/2/2009				Spud Date: 7/3/2009				
Project: UTAH-UINTAH				Site: NBU 1022-03C PAD					Rig Name No: MILES 2/2			
Event: ABANDONMENT				Start Date: 7/25/2013						End Date: 7/29/2013		
Active Datum: RKB @5,090.00usft (above Mean Sea Level)				UWI: NE/NW/0/10/S/22/E/3/0/0/6/PM/N/731.00/W/0/1,740.00/0/0								
Date	Time Start-End		Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation			
7/25/2013	12:00 - 18:00		6.00	ABANDT	45	A	P		ROAD RIG FROM NBU 921-22I PAD, MIRU, SPOT EQUIP, CONTROL WELL W/ TMAC, ND WH, UNLAND TBG TO SEE IF ITS FREE PULLED 65K MOVED 2' UP, REMOVE HANGER & STRIP BOP OVER TBG, NU BOP, RU FLOOR & TBG EQUIP, PT BOP TO 3,000 PSI, WORK STUCK TBG FOR APPROX 1HR CAME FREE, MIRU SCAN TECH POOH SANNING TBG, C/O SLIP DIES, FINISH SCANNING IN AM, SWI, SDFN.			
7/26/2013	7:00 - 7:15		0.25	ABANDT	48		P		HSM, SLIPS, TRIPS & FALLS, SCANNING TBG, TRIPPING			
	7:15 - 10:00		2.75	ABANDT	45	A	P		LAT 39.983260, LONG 109.429337, SICP 350 PSI, CONTROL WELL W/ TMAC, SCANNED 266 JTS J-55 TBG, 43 YELLOW, 19 BLUE, 204 RED, LT EXTER SCALE JT #12, BAD PINS JTS 32 & 42, HEAVY INTER SCALE JTS 51- 79, PITTING & WALL 101- 224, 243- 266, HEAVY EXTER SCALE JTS 228- 266, RDMO SCAN TECH			
	10:00 - 11:30		1.50	ABANDT	34	I	P		MIRU CUTTERS, RIH W/ 3.70" G/R POOH, RIH W/ 4 1/2" HAL 8K CBP & SET @ 7,020' POOH, RDMO CUTTERS			
	11:30 - 13:00		1.50	ABANDT	31	I	P		RIH W/ 223 JTS J-55 TBG TO 7,010'			
	13:00 - 15:30		2.50	ABANDT	51	D	P		MIRU PROPETRO, BREAK CIRC W/ 85 BBLs TMAC, P/T CSG TO 500 PSI GOOD, 1ST BALANCE PLUG @ 7,010' PUMP 2 BBL FRESH, 10 SKS 15.9# CLASS G CMT, DISPLACE W/ 26.6 BBLs FRESH TOC @ 6,877', L/D 81 JTS, 2ND BALANCE PLUG @ 4,467', PUMP 1 BBL FRESH, 20 SKS 15.9# CLASS G CMT, DISPLACE W/ 16.3 BBLs FRESH TOC @ 4,203', L/D TBG TONGS BROKE HAD SHUT DOWN, FINISH LD TBG ON MONDAY SWI, SDFWE			
7/29/2013	7:00 - 7:15		0.25	ABANDT	48		P		HSM, SLIPS, TRIPS & FALLS, L/D TBG, RIG MOVE			
	7:15 - 10:00		2.75	ABANDT	31	I	P		L/D TBG, RD FLOOR & TBG EQUIP, ND BOP, NU WH, RD & MOVE TO NBU 165, LOWER WH FOR DRLG OPPS.			
7/31/2013	7:00 -								REMOVE PRODUCTION FACILITIES TO PREPARE LOCATION FOR PAD DRILLING			

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 1022-03CT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0731 FNL 1740 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 03 Township: 10.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047401500000
PHONE NUMBER: 720 929-6111		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/18/2014	<input type="checkbox"/> SPUD REPORT Date of Spud:	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> THE SUBJECT WELL WAS RETURNED TO PRODUCTION ON 3/18/2014 FROM A TEMPORARY ABANDON STATUS. PLEASE SEE THE ATTACHED WELL HISTORY FOR DETAILS. </div> <div style="width: 35%; text-align: right;"> Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 19, 2014 </div> </div>		
NAME (PLEASE PRINT) Teena Paulo	PHONE NUMBER 720 929-6236	TITLE Staff Regulatory Specialist
SIGNATURE N/A	DATE 3/19/2014	

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-3CT				Spud Conductor: 7/2/2009				Spud Date: 7/3/2009			
Project: UTAH-UINTAH				Site: NBU 1022-03C PAD				Rig Name No: MILES 3/3			
Event: ABANDONMENT				Start Date: 2/24/2014				End Date: 2/26/2014			
Active Datum: RKB @5,090.00usft (above Mean Sea Level)				UWI: NE/NW/0/10/S/22/E/3/0/0/6/PM/N/731.00/W/0/1,740.00/0/0							
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation			
12/15/2013	7:00 -							REBUILD FACILITIES TO RETURN WELL TO PRODUCTION			
2/24/2014	10:00 - 12:00	2.00	ABANDT	30	A	P		MOVED OVER F/ NBU 165, ND WH NU BOPS, RU FLOOR & TBG EQUIP.			
	12:00 - 17:00	5.00	ABANDT	31	I	P		TALLY & PU 37/8 BIT & 133 JTS 23/8 J-55 TAG @ 4197', RU DRLG EQUIP BROKE CIRC REV, TEST BOPS TO 3,000 PSI. D/O CMT F/ 4228' TO 4257' CIRC CLN SWI SDFN.			
2/25/2014	7:00 - 7:30	0.50	ABANDT	48		P		HSM, WORKING W/ POWER SWIVEL DRILLING CMT.			
	7:30 - 15:30	8.00	ABANDT	44	A	P		SICP 0, BROKE CIRC D/O REM CMT F/ 4257' TO 4433' 176' CMT FELL FREE TO 6904' BROKE CIRC D/O CMT TO 7001' 97' CIRC CLN, RD SWIVEL POOH W/ 223 JTS 23/8 J-55 L/D BIT, PU RIH W/ 37/8 MILL & POBS 223 JTS, RU SWIVEL			
	15:30 - 17:30	2.00	ABANDT	44	C	P		BROKE CIRC W/ AIR/FOAM DISPLACE CMT WTR TO PIT D/O REM 20 ' CMT & CBP @ 7020' IN 4 MIN 400 PSI INCREASE. KILL TBG RD SWIVEL. PULL 2 JTS REM TSF RIH 2 JTS EOT @ 7064' SWI LOCK RAMS, SDFN			
2/26/2014	7:00 - 7:30	0.50	ABANDT	48		P		HSM, OPENING WELL TO PIT			
	7:30 - 8:00	0.50	ABANDT	31	I	P		SICP 1800 PSI, OPEN TBG PIT, CONTROL TBG W/ 20 BBLS T-MAC PU 1 JT TAG @ 7082' RU SWIVEL.			
	8:00 - 18:00	10.00	ABANDT	44	D	P		BROKE CIRC W/ AIR/FOAM DRILL 4' SCALE TO 7086' FELL FREE TO 7301' C/O 30' SCALE, FELL FREE TO 7610' C/O 25' SCALE FELL FREE TO 8432' C/O 409' SCALE & SAND TO 8841' PBDT @ 8861', CIRC CLN, KILL TBG RD SWIVEL, L/D 13 JTS REM TSF, L/D 3 MORE JTS LAND TBG, ND BOPS NU WH, PUMP OFF BIT. SWI RIG DOWN RIG SDFN. FINAL			
									KB = 18'		
									7" 5K HANGER = .83'		
									266 JTS 23/8 J-55 = 8328.23' (NEW)		
									POBS W/ 1.875 X/N = 2.20'		
									EOT @ 8349.26'		
									30 BBLS TWTR		